



300
 16
 1800
 1800
 4800
 16
 25800
 48000
 748000
 724000
 19200

THE
 ...
 ...

...
 ...



Sea take this line with you
 then do it good damn
 do it now

Coming alongside

240 days

444

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks, day of 18
1						
2						
3						Left the Wharf at Bath
4						at 11 A.M. Sunday 8 th
5						With Steam tug ahead
6						and dived down River
7	5	1	SSE	East		At 1 P.M. tug left the
8	6	1	"			Ship Sea day commences
9	7	1	"			which is Saturday the 9 th
10	7	1	"			above at 6 A.M. Light
11	7	1	"			light bore N.W. 15 miles
12	7	1	"			from which I take my
1	7	1	SSE	SSE		Departure
2	6		"			The remainder of the
3	7		SSE			day strong breeze & hazy
4	6		"			at noon tacked ship cap
5	7		SSW			and bearing N.W. 15 miles
6	6		"			
7	7		S.W.	SSE		
8	7		"			
9	7		WSW	SSE		
10	7		"			
11	7		"			
12	7		"			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				42.00				69.37	W

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks, day of 18
1	7	$\frac{1}{2}$	E by S $\frac{1}{2}$ S	South		Sunday Jan 10 th 1869
2	7	$\frac{1}{2}$	"			
3	8		"			These 24 hours commences
4	8		"			with fresh breeze & hazy
5	7		"			weather
6	6	$\frac{1}{2}$	"			At 8 P.M. Tacked
7	7	$\frac{1}{2}$	"			Ship to the N.W.
8	7	$\frac{1}{2}$	"			
9	7	$\frac{1}{2}$	N.S.W. $\frac{1}{2}$ W			Middle part strong
10	6		"			breeze with rain
11	5		S.W. by W	S.S.E		
12	5		"			
1	5		S.S.W. $\frac{1}{2}$ W			Latter part strong breeze
2	5		"			with rain at 3 A.M.
3	3		"			wore Ship to the South
4	3		S by E	N.S.W.		
5	2		"			End as above
6	3		"			
7	4		"			
8	4		"			
9	6		S by E $\frac{1}{2}$ E			
10	7		"			
11	6		"			
12	6		"			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				40.56				68.24	

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		S by W.	N by E			Monday Jan 11 th	1869
2	5							
3	5							
4	5					Commences with fresh breeze		
5	5		S by W	N. N. W.		& hazy weather		
6	5							
7	7							
8	9		S. by E. S.			Middle and Leatter part		
9	9					fresh breeze & fine		
10	8							
11	7							
12	7			N. N. W.				
1	6							
2	5							
3	5							
4	6		S. W. by S.					
5	7							
6	7			N. E. by E				
7	9			East				
8	9							
9	9							
10	10							
11	10							
12	10	$\frac{1}{2}$		S. S. E.				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				38.80				70.29	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	11		S. W. by S.	S. E. by S.		Tuesday Jan 12 th	1869	
2	11							
3	8							
4	8		S. W.			Commences with strong breeze		
5	7					with rain at 3 handed		
6	7		W. S. W.	South		Top Gallant-Sails		
7	6		W. by S.			At 8 P. M. wore ship		
8	6							
9	6		E. S. E.	S. $\frac{1}{2}$ W.		Middle and Leatter part		
10	6					strong breeze Gab with rain		
11	6		"	South				
12	6					Squally handed upper Top		
1	2		S $\frac{1}{2}$ W.	W $\frac{1}{2}$ S.		sail Main sail & bit		
2	2					at 1 am split the fore sail		
3	2							
4	2							
5	2					Ends with fresh Gales &		
6	2					thick weather		
7	2							
8	2							
9	2	$\frac{1}{2}$	South					
10	2	$\frac{1}{2}$						
11	2	$\frac{1}{2}$						
12	2	$\frac{1}{2}$						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				37.34	01			71.18	W

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5	$\frac{1}{2}$	S.S.E	W.S.W		Wednesday Jan 13 th 1869		
2	5	$\frac{1}{2}$						
3	5	$\frac{1}{2}$				First part fresh Gale & heavy weather		
4	5	$\frac{1}{2}$						
5	5	$\frac{1}{2}$						
6	5	$\frac{1}{2}$						
7	5		S.E. by S			Middle and latter part strong breeze and rain squalls		
8	5							
9	6							
10	6					Ends with fresh breeze		
11	7					at 8 A.M. made fair		
12	7							
1	7							
2	7	$\frac{1}{2}$						
3	7	$\frac{1}{2}$						
4	7	$\frac{1}{2}$	S. by E	west				
5	7	$\frac{1}{2}$						
6	7	$\frac{1}{2}$						
7	7	$\frac{1}{2}$						
8	7	$\frac{1}{2}$						
9	8	$\frac{1}{2}$						
10	8	$\frac{1}{2}$	South					
11	8	$\frac{1}{2}$						
12	8	$\frac{1}{2}$	S. by W	W.N.W				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				35 40				70 16	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	8		S. by W	W.N.W		Thursday Jan 14 th 1869		
2	8							
3	8							
4	8					These 24 hours commence with moderate breeze & fine weather		
5	8							
6	8							
7	8							
8	7		S. W. by S					
9	6							
10	5							
11	5							
12	5							
1	4							
2	4							
3	3							
4	3							
5	3							
6	3							
7	7							
8	7							
9	6							
10	4							
11	4							
12	4							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				33 32	33 31 4			71 15	

JOURNAL, from

towards

Bath

New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	2		S. by E			Friday Jan 15 th 1869		
2	2							
3	2							
4	2					These 24 hours commence with		
5	2					light breeze and fine weather		
6	1		S.S.W.			and passing clouds		
7	1							
8	1							
9						All sail set		
10	taken							
11								
12	1		S.E.	S.P.W.				
1	1							
2	2							
3	4							
4	4							
5	5							
6	5					Ends as above		
7	6							
8	6							
9	6							
10	6							
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					32.42			11.4	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	7		S.E.	S.W. by S		Saturday Jan 16 th 1869		
2	7							
3	8							
4	8					These 24 hours commence		
5	8					with fresh breeze & fine		
6	8					weather		
7	7		S.S.E.	S.W. $\frac{1}{2}$ W.		at 6 to 60 hauled Top Sails		
8	6					sails		
9	7					Seater part ends as above		
10	9							
11	8							
12	7							
1	7		S.E. by E	S.W. by W				
2	6							
3	5							
4	5							
5	5		S.S.E.					
6	6							
7	5							
8	5							
9	6							
10	6							
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					30 56			69 14	

JOURNAL, from

Bath

towards

New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1								
2								
3	27		S by E $\frac{1}{2}$ E					
4								
5								
6								
7								
8								
9								
10								
11								
12	32		S $\frac{1}{2}$ E					
1								
2								
3								
4	6		South					
5								
6	13		S W $\frac{1}{2}$ W					
7								
8								
9								
10								
11	50		S W by W					
12								

Sunday Jan 17th 1869

All these 24 hours moderate breeze and pleasant weather

Nothing of any note on board ship

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				29° 11'	29° 10'			69° 54'	65° 40'

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Monday Jan 18th 1869

All these 24 hours Dead Calm not air enough for to steer the ship

Setting up main rigging

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				29° 4'				29° 53'	

JOURNAL, from

Bath

towards

New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3							
2	4							
3	4							
4	4		W $\frac{3}{4}$ S	S.S.W.				
5	5		"	"				
6	6		"	"				
7	6	$\frac{1}{2}$	SSE $\frac{3}{4}$ E	S.W.				
8	6		"	"				
9	7		"	"				
10	8	$\frac{1}{2}$	"	"				
11	8	$\frac{1}{2}$	S.E.	S.S.W.				
12	8	$\frac{1}{2}$	"	"				
1	8	$\frac{1}{2}$	SE $\frac{3}{4}$ E	S. by N $\frac{1}{4}$ W				
2	8		"	"				
3	8	$\frac{1}{2}$	"	"				
4	9		"	"				
5	8	$\frac{1}{2}$	S.E. $\frac{3}{4}$ S	S. N. by S				
6	8		"	"				
7	8		"	"				
8	8		"	"				
9	8		S. by S	"				
10	8		"	"				
11	8	$\frac{1}{2}$	"	"				
12	8	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					27° 60'			68° 40'	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5							
2	5		S. $\frac{1}{2}$ W.	W. by S				
3	5		"	"				
4	4		"	"				
5	4		"	"				
6	4		"	"				
7	4		"	"				
8	4		"	"				
9	4		S.S.W.	W. $\frac{1}{2}$ N.				
10	7		"	"				
11	7		"	"				
12	8		"	"				
1	8	$\frac{1}{2}$	"	"				
2	8	$\frac{1}{2}$	"	"				
3	8	$\frac{1}{2}$	"	"				
4	8	$\frac{1}{2}$	"	N. N. W.				
5	8	$\frac{1}{2}$	"	"				
6	8		"	"				
7	7		"	North				
8	7		W. by S	"				
9	7		"	"				
10	7		"	N.E.				
11	6		"	"				
12	6		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					26° 31'			69° 10'	

JOURNAL, from

Bath

towards

New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4		W by S.	N.E.				
2	4					Thursday Jan 21 st	1869	
3	4							
4	4							
5	3		West			These 24 hours commences		
6	2					with light breeze and fine		
7	1	$\frac{1}{2}$						
8	1	$\frac{1}{2}$						
9		$\frac{1}{4}$				Middle part most calm		
10		$\frac{1}{2}$						
11		$\frac{1}{2}$				Fine weather with passing		
12		$\frac{1}{2}$		N.E.		clouds		
1		$\frac{1}{2}$						
2		$\frac{1}{2}$						
3		$\frac{1}{2}$						
4		$\frac{1}{2}$						
5		$\frac{1}{2}$						
6		$\frac{1}{2}$						
7	1	$\frac{1}{2}$						
8	2			North				
9	3							
10	4					Ends as above		
11	4		W by S.					
12	4							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					26° 32'			69° 40'	✓

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4		West	N.E.				
2	4					Friday Jan 22 nd	1869	
3	5							
4	5					All these 24 hours moderate		
5	6		W by S			breeze and fine weather		
6	5	$\frac{1}{2}$						
7	5	$\frac{1}{2}$						
8	5	$\frac{1}{2}$						
9	5	$\frac{1}{2}$						
10	5	$\frac{1}{2}$						
11	6	$\frac{1}{2}$						
12	6	$\frac{1}{2}$		East				
1	6							
2	7							
3	7							
4	7							
5	6	$\frac{1}{2}$		S.E.				
6	6							
7	6							
8	6							
9	6		W by N	S by W				
10	6							
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					26° 25' N			71° 00' W	

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		W 2 N	S. S. W.				
2	6						Saturday Jan 23 rd	1869
3	6							
4	6							
5	6						These 24 hours commences with	
6	6						fresh breeze & fine weather	
7	5		W by S					
8	7							
9	8							
10	8						Modest part fresh breeze	
11	8		W 2 S				with passing clouds	
12	8							
1	7							
2	5	$\frac{1}{2}$					Scatter part heavy rain.	
3	6	$\frac{1}{2}$					Squalls from S. W.	
4	7	$\frac{1}{2}$						
5	7							
6	7		W. S. W.	S. W.			Ends as above.	
7	5							
8	5							
9	7		N. W. by W.					
10	7							
11	7							
12	6							

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					27° 2'			71° 69'	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4						Sunday Jan 24 th	1869
2	4							
3	3		South					
4	3						These 24 hours moderate	
5	3						breeze and fine weather	
6	2							
7	2	$\frac{1}{2}$						
8	2	$\frac{1}{2}$						
9								
10								
11	3							
12	2							
1								
2							End as above.	
3								
4	1		West					
5	1							
6	2							
7	3		W 2 S					
8	3							
9	4							
10	4							
11	6							
12	8							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					27° 8'				12° 30'

JOURNAL, from

Bath

towards

New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	8		N. N. W. $\frac{3}{4}$ W.			Monday Jan 26-1869 These 24 hours commences with fresh breeze and fine weather.		
2	9							
3	8							
4	8							
5	8							
6	8							
7	8		W. $\frac{1}{2}$ N.			Middle part heavy Rain squalls		
8	8							
9	7	$\frac{1}{2}$						
10	7	$\frac{1}{2}$	W. N. W. $\frac{3}{4}$ W.					
11	7	$\frac{1}{2}$						
12	7	$\frac{1}{2}$						
1	7	$\frac{1}{2}$	S. by W.			Scatter part light breeze		
2	7							
3	6	$\frac{1}{2}$						
4	7							
5	6							
6	8							
7	3		S. $\frac{1}{2}$ E.			Charles		
8	3							
9	2	$\frac{1}{2}$						
10	2	$\frac{1}{2}$						
11	3	$\frac{1}{2}$						
12	5							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					27-14			73-25	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		S. S. E.			Tuesday Jan 26 th 1869 These 24 hours commences with fine breeze and cloudy weather.		
2	6							
3	6							
4	6		S. S. W. $\frac{1}{2}$ W.			Middle part fresh breeze and clear weather		
5	6							
6	7							
7	7		S. W. by S.			Ends as above		
8	6							
9	6							
10	6		S. W. by W.					
11	7							
12	7							
1	7		W. S. W.					
2	7							
3	7							
4	8		"					
5	8							
6	7	$\frac{1}{2}$						
7	7	$\frac{1}{2}$	"					
8	7							
9	7							
10	7		"					
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
	161	97.3	105.0	26	26-6		1-57	75-22	

JOURNAL, from

Bath

towards

New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5	$\frac{1}{2}$	W $\frac{1}{2}$ N	E N E				
2	5		"				Wednesday Jan 27 th 1869	
3	5		"					
4	5	$\frac{1}{2}$	"					
5	6		"				These 24 hours commences	
6	6		"				with a fresh breeze and	
7	6		"				fine weather	
8	6		"					
9	6		"				Middle part the same	
10	6		"				mode	
11	6		"				At 3-15 P.M. Abaco light	
12	6		"				bearing W. N. W.	
1	7		W S W $\frac{1}{2}$ W				R. Light-	
2	8						Latter part strong breeze	
3	8						At 5-30 P.M. Abaco light	
4	8		W $\frac{1}{2}$ S	E S E			North Dis 3 miles	
5	8							
6	8		West-				At 10-30 Stirrup Key	
7	8		W $\frac{1}{2}$ N	S by W			light-bore South dis 6 miles	
8	8						Revolving light	
9	8							
10	7	$\frac{1}{2}$						
11	8							
12	8							

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					26-1			18-2	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	9	$\frac{1}{2}$	W $\frac{1}{2}$ N	N E			Thursday Jan 28 th 1869	
2	9	$\frac{1}{2}$	"	"				
3	9		W $\frac{1}{2}$ S	"				
4	8		"	"			These 24 hours commences	
5	8		W by S	"			with strong breeze + hazy	
6	6		"	"			weather	
7	6		West-	S. E			At 3 Am landed	
8	3		"	South			Top Gallant-sails	
9	5		"	"			At 8 A.M. Isaac Island	
10	5		W N W	"			light-bore S.W. Dis 8 miles	
11	7		S W $\frac{1}{2}$ S	"			At 9-30 A.M. Isaac Is.	
12	6		"	"			South dis 13 miles	
1	6		S W $\frac{1}{2}$ W				Tacked Ship to the S.W.	
2	6		S W					
3	6		"					
4	6		"				Middle part strong breeze	
5	6		S S W				and rain	
6	7		S by W				Latter part ends with	
7	8		"				strong breeze and fine weather	
8	9		S $\frac{1}{2}$ E					
9	8		"				At 7 P.M. San Key light	
10	8		"				bore East Dis 6 miles	
11	8		"					
12	8		"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					24 46			79 26	

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Bath

towards

New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	8		SSEW	North		Friday Jan 29 1869		
2	7	$\frac{1}{2}$						
3	7	$\frac{1}{2}$						
4	8					Commences with strong breeze		
5	7					& fine weather		
6	6		S by W	NE		At 1 P.M. made		
7	7					Elbow Key light bearing		
8	7					S by W Dis 15 miles		
9	7							
10	7							
11	7					Letter part bagging		
12	7					arrives with rain		
1	6		SW					
2	7					At 6 P.M. Elbow Key		
3	3					here SSE Dis 17 miles		
4	3					Shachinay Light		
5	2					End with bagging winds		
6	3		W by S $\frac{1}{2}$ S	SSE				
7								
8								
9								
10	7		W $\frac{1}{2}$ N	SSW				
11	8							
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				24-50				80-1	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	7		W $\frac{1}{2}$ N	S by W		Saturday Jan 30 th 1869		
2	5							
3	5					This day commences with		
4	5		N.N.W.	S W by S		fresh breeze and showers		
5	4					of rain		
6	3		N. N			At 6 A.M. Tacked		
7	2					Ship to the southeast		
8	3		S.S.W					
9	4	$\frac{1}{2}$	S W by S			At 8 A.M. Dry Bank		
10	6					light bore N W $\frac{1}{2}$ N		
11	6		W.S.W	N W by N		Dis. 12 miles		
12	5							
1	4					At 12 A.M. Dry Bank light		
2	4		N.S.W $\frac{1}{2}$ W			bore N by W Dis 18 miles		
3	5					Shachinay Light		
4	4							
5	3		N by S					
6	3					At 9 A.M. made		
7	2	$\frac{1}{2}$						
8	2	$\frac{1}{2}$						
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				24-30				81-15	

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New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3							
2	4		West				Sunday Jan 31 st 1869	
3	4		W $\frac{1}{2}$ S					
4	3		"				These 24 hours commences	
5	3		"				with light breeze & fine	
6	3		"				weather	
7	3		"					
8	3		"					
9	2		S W $\frac{1}{2}$ W				Middle part the sun	
10	2		"					
11	2		"				At 4 P.M. Sand Key	
12	4		"				light bore W N W $\frac{1}{2}$ W	
1	4		"				Dis 16 miles	
2	4	$\frac{1}{2}$	W $\frac{1}{2}$ S					
3	4	$\frac{1}{2}$	"					
4	4	$\frac{1}{2}$	"					
5	4	$\frac{1}{2}$	W $\frac{1}{2}$ N	NE			Leather Post ends with	
6	4	$\frac{1}{2}$	"				fine weather	
7	4	$\frac{1}{2}$	"					
8	4	$\frac{1}{2}$	"	ENE			At midday Sand Key	
9	4	$\frac{1}{2}$	W $\frac{1}{2}$ S	"			light bore E $\frac{1}{2}$ N $\frac{1}{2}$ N	
10	5		"	"			Dis 16 miles	
11	4	$\frac{1}{2}$	"	"				
12	4	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				24 27	24 25			82 15	82 11

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4		West	NNE				
2	4		"	"			Monday February 1 st 1869	
3	4		"	"				
4	4		W $\frac{1}{2}$ S				These 24 hours commences	
5	4	$\frac{1}{2}$	W $\frac{1}{2}$ S				with light breeze and fine	
6	5		W $\frac{1}{2}$ S				weather	
7	5		W $\frac{1}{2}$ S					
8	6		West					
9	6		"				At 8 PM made Tortugas	
10	6		"				light bearing At N W $\frac{1}{2}$ W	
11	7		W $\frac{1}{2}$ N				Dis 22 miles	
12	8		NW				At 11-15 PM Tortugas light	
1	8		"				bore NE. Dis 10 miles	
2	8		"					
3	8		"				At 1 am bore E $\frac{1}{4}$ N	
4	8		"				Dis 20 miles	
5	8		"					
6	8		"					
7	8		"					
8	8		"				Ends with a fresh breeze	
9	8		"				and cloudy weather	
10	9		"					
11	9		"					
12	9		"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				25 50	25 59			84 25	

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New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	8	$\frac{1}{2}$	N ^o W	Eby N		Feb 2 nd	1869	
2	8		"					
3	8	$\frac{1}{2}$	"					
4	8		"					
5	8	$\frac{3}{4}$	"					
6	8	$\frac{3}{4}$	"					
7	9	$\frac{1}{2}$	"					
8	9	$\frac{1}{2}$	"					
9	9		"					
10	9		"					
11	9		"					
12	9		"					
1	9		"					
2	8	$\frac{1}{2}$	"	S ^o E				
3	8	$\frac{1}{2}$	"					
4	9		"					
5	9		"					
6	8	$\frac{1}{4}$	"					
7	8	$\frac{1}{2}$	"					
8	8		"					
9	8		"					
10			"					
11	1		"					
12	2		"					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				28°27'	28°20'			86°38'	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	1		W N W	S W		Wednesday February 3 rd	1869	
2	1							
3	1							
4	2		W by N	S W by S				
5	2							
6	2							
7	2							
8	3							
9	4		N W $\frac{1}{4}$ W	N S W				
10	4							
11	7							
12	8							
1	6							
2	6							
3	6							
4	4		N by W					
5	3	$\frac{1}{2}$						
6	3	$\frac{1}{2}$						
7	3	$\frac{1}{2}$	N N W $\frac{1}{4}$ W					
8	3	$\frac{1}{2}$						
9	3	$\frac{1}{2}$						
10	3	$\frac{1}{2}$						
11	3	$\frac{1}{2}$						
12	3	$\frac{1}{2}$						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				29°25'	29°27'			86°54'	

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	2	$\frac{1}{2}$	S by W	W by S		Thursday February 4 th 1869		
2	2	$\frac{1}{2}$	"	"				
3	2	$\frac{1}{2}$	"	"	3 points	These 24 hours commence		
4	2	$\frac{1}{2}$	"	"		with a whole Gail and		
5	2	$\frac{1}{2}$	S by W	"		heavy sea.		
6	2	$\frac{1}{2}$	"	"		Move to under		
7	2	$\frac{1}{2}$	"	"		lower main topsail & fore		
8	2	$\frac{1}{2}$	"	"		lower topsail & fore top		
9	2	$\frac{1}{2}$	S by S	W by N		mast stay sail		
10	2	$\frac{1}{2}$	"	"	"	Main Spinnaker set		
11	2	$\frac{1}{2}$	"	"	"			
12	2	$\frac{1}{2}$	"	"	"			
1	2	$\frac{1}{2}$	"	"	"	Middle part a little		
2	2	$\frac{1}{2}$	"	"	"	more moderate		
3	2	$\frac{1}{2}$	"	"	"			
4	2	$\frac{1}{2}$	"	"	"			
5	2	$\frac{1}{2}$	S by S	W by N		At 6 A.M. set mizen		
6	3		"	"	2 $\frac{1}{2}$	lower topsail fore sail & main		
7	3		"	"	"	sail		
8	4		"	"	"	At 10 A.M. set the three		
9	4		S by W	W by N	"	upper topsails single Ryeed		
10	4		"	"	"			
11	4		S by S	W by N	"			
12	4		"	"	"	End's quite moderate weather		

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				28 27	28 23			88 30	86 58

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4	$\frac{1}{2}$	S by S	W by N		Friday Feb 5 th 1869.		
2	4	$\frac{1}{2}$	"	"				
3	4	$\frac{1}{2}$	"	"				
4	4	$\frac{1}{2}$	S by W	"		This day commences with		
5	4	$\frac{1}{2}$	"	"		light breeze & cloudy weather		
6	4	$\frac{1}{2}$	"	"				
7	4	$\frac{1}{2}$	S by S	W by N		Middle part cloudy.		
8	4	$\frac{1}{2}$	"	"				
9	4	$\frac{1}{2}$	"	"				
10	4	$\frac{1}{2}$	"	"				
11	4	$\frac{1}{2}$	W by S	"				
12	4	$\frac{1}{2}$	"	"				
1	5	$\frac{1}{2}$	W by N	W by N		Latter part fresh breeze		
2	5	$\frac{1}{2}$	"	"				
3	5	$\frac{1}{2}$	"	"				
4	5	$\frac{1}{2}$	"	"				
5	5	$\frac{1}{2}$	"	"		Ends fine weather with		
6	6	$\frac{1}{2}$	"	"		passing clouds		
7	6	$\frac{1}{2}$	"	"				
8	6	$\frac{1}{2}$	"	"				
9	6	$\frac{1}{2}$	W by N	W by N				
10	6	$\frac{1}{2}$	"	"				
11	6	$\frac{1}{2}$	"	"				
12	6	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					27 49			88 43	

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New Orleans

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6	12	N. by E.	North		Feb 6 th	1869	
2	6							
3	5	12	N. by W.	N. by E.		These 24 hours commences		
4	5					with fine breeze and cloudy		
5						weather.		
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8						At 10 P.M. came to an		
9						anchors outside of the bar		
10						at the mouth of the Mississippi		
11						River, all sails furled.		
12						Thus ends this day of 36 hours		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Sunday 7 th	1869	
2								
3						This day counted a civil day		
4						Washed decks in the morning		
5						Laying at anchor at the		
6						mouth of the Mississippi.		
7								
8						Pleasant weather.		
9								
10								
11								
12						At 3 P.M. Steamer came		
1						of us and towed us over the bar		
2						and then came to anchor		
3						again at 8 P.M.		
4						anchors watch set and all is well		
5								
6						Monday Feb 8 1869		
7						Thick and foggy		
8						all day having up here came to an		
9						anchors at 6 P.M.		
10						Tuesday at 6 A.M. got on her		
11						up river mid night came to anchor		
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
----	----	------------------	----------	--------	---------	----------	--------	----

1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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towards

1869

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Sunday Feb 14 th 1869		
2						Very pleasant & warm		
3						day. last night had heavy		
4						showers of rain some wind		
5						about most of the day		
6								
7						Monday Feb 15		
8						Rainy weather		
9						Men employed about ship duty		
10						Tuesday Feb 16		
11						Fine weather washed decks in morning		
12						Wed Feb 17		
1						Rainy weather nothing of any note		
2						doing to day		
3						Thursday Feb 18		
4						Fine weather Discharged all of		
5						our bag to day with 4 horse		
6						& 400 men Sold \$24. a ton		
7						Friday Feb 19		
8						Very rainy weather		
9						Sat Feb 20 th 1869		
10						Fine weather		
11						Men employed about ship duty		
12						Sunday Feb 21 st pleasant weather with passing		
						on board all day		
						Charles		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1								
2						Monday Feb 22 nd		
3								
4								
5						Tuesday Feb 23 rd 1869		
6						Pleasant weather		
7						commenced to paint ship outside		
8						this morning		
9						Wednesday Feb 24 th 1869		
10						Pleasant day men employed		
11						at painting ship		
12						Thursday Feb 25 th 1869		
1						Pleasant day Painting ship		
2						Friday Feb 26 th 1869		
3						Pleasant day Finished paint		
4						ing to day men employed at		
5						varnishing yard & masts		
6						& planing decks varnished		
7						top of forward house & fore castle		
8								
9						Saturday Feb 27 1869		
10						Pleasant day men employed		
11						planing decks & varnishing spars		
12						&c		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1								
2						Sunday Feb 28 th 1869		
3						Pleasant weather, nothing of any		
4						note has occurred during the		
5						day, been on board of the ship all day.		
6								
7						Monday March 1 st 1869		
8						Pleasant weather.		
9						Men employed at		
10						planing decks and painting & varnishing		
11								
12						Tuesday March 2 nd 1869		
1						Pleasant weather with passing clouds		
2						Fresh breeze from the Southward in afternoon		
3						Men employed at ship duty finished		
4						planing decks to day.		
5								
6						Wednesday March 3 rd 1869		
7						Cloudy weather, some little rain this morning		
8						Wiped of the paint work this morning		
9						Men employed during the day at ship duty		
10								
11						Thursday Mar 4 th 1869		
12						cloudy & misty weather Rain in afternoon		

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1								
2						Friday March 5 th 1869		
3						Pleasant day, very cold morning		
4						Mid day warm & pleasant		
5						Washed deck & top of foremast house		
6						Saturday Mar 6 th 1869		
7						Pleasant weather		
8						Men employed at ship duty		
9						Arrived Ship Victory Capt. Cashman		
10						New York		
11						Sunday Mar 7 th 1869		
12						Pleasant weather		
1						very windy, been by the ship all day.		
2						Monday " 8 1869		
3						Pleasant day		
4						Tuesday " 9 1869		
5						Men employed at ship duty		
6						Wed " 10 th 1869		
7						Nothing of any note taken place		
8						Thursday 11 th 1869		
9						Men employed planing Topsail		
10						Friday 12 th 1869		
11						Pleasant weather		
12						Sat 13 1869		

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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1869

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			Sunday March 14 th 1869			Thursday, March 18 th 1869		
2			Pleasant day			Pleasant day		
3			Nothing of any note has taken			Men employed painting &		
4			place during the day					
5			on board all day			Friday, March 19 th 1869		
6			Monday, March 15 th 1869			This morning very thick		
7			Pleasant day			& foggy. Washed off the paint work		
8			Rain for an hour this morning			at 3 PM came on to		
9			then cleared off & has been very hot			Rain heavy squalls. Shower rain		
10			been setting up the head gear			most of the night		
11			Saturday & back to work					
12			Varmed & oiled the			Saturday, March 20 th 1869		
1			quarter deck			This is a very hot day & very		
2						pleasant. Setting up masts		
3			Tuesday, March 16 th 1869			Rigging & caulking the fore		
4			mast. Clear this morning			and aft. 1 PM		
5			pleasant & clear					
6			employed at setting up masts			Monday, March 21 st 1869		
7			in braces left for ship to			Pleasant day & very warm		
8			be. Cold morning			Not anything of note occurred		
9			Wednesday, March 17 th 1869			to day		
10			Pleasant weather			Tuesday, March 22 nd 1869		
11			Men employed at ship work			Time weather at work at the		
12						Rigging. Setting up & set up backlogs		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			Sunday March 23 rd 1869			Sunday March 28 th 1869		
2			Men employed at putting			Pleasant most of the day		
3			down main rigging. Lifting			Nothing of any note occurred excepting		
4			of shear poles. Painting			the sailors got drunk or intoxicated		
5			timber bolts &c. after noon			Monday March 29 th 1869		
6			came on to rain & blow			Pleasant day & very hot sending		
7			very hard wind about East			sails all day		
8								
9			Wednesday March 24 th 1869			Tuesday March 30 th 1869		
10			Very windy day. Sky occi-			Pleasant weather at work taking		
11			cast. Wind at a bit S.W.			in provision for the passage at 5 PM		
12			Men employed at ship work			Steamer Chas Chamberlain came along		
1						side both as in two down River		
2			Thursday March 25 th 1869			came a long side of an English ship		
3			Pleasant weather			at Government Wharf with her in		
4			Men employed at ship work			boat. Our men came on board seven		
5						in number ship by Mr Swanton along down		
6			Friday March 26 th 1869			left the wharf and anchored in the		
7			Nothing of any note taken place			stream for the night		
8						Sat March 31 st 1869		
9			Saturday March 27 th 1869			Pleasant day wind South here up		
10			Rain part of the day commenced			anchored at 6 AM for down River		
11			to get ready to go to sea			at 5.30 stuck on the bar at the mouth of the		
12						River		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Thursday April 14 th 1869 Steam boat got up steam at 7 AM and was trying to tow us over until 12 30 PM when we went over the bar so ends this day with 12 hours to commence Nautical time.		
2								
3								
4								
5								
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12								

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Friday April 15 th 1869 Steam lug left at 1-30 PM. out side of the Bar, Pass Alulre 1 bore S W by W Dis 3 miles made sail and proceeded to S. C. A. Middle & latter part fresh breeze & rain Ends with Moderate breeze & rain Pop. Gallantsail set Lat by D. R. 28° 26' N Long by D. R. 87° 02' W		
2								
3	5		ELS	SE E				
4	5		"	"				
5	5		"	"				
6	5		"	"				
7	5		East	"				
8	5		"	"				
9	5		"	"				
10	5		E. S. E.	South				
11	5		"	"				
12	5		"	"				
1	5		S E by E	N. W.				
2	5		"	"				
3	6		"	"				
4	6		"	"				
5	7		"	"				
6	7		"	"				
7	5		"	"				
8	4		"	"				
9	7		"	"				
10	6		"	"				
11	5		"	"				
12	3		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6							
2	7		SE by E	WNW		Saturday April 3 rd 1869		
3	9		"	"		These 24 hours		
4	9		"	"		commences with a fresh breeze		
5	8	$\frac{1}{2}$	"	North		and hazy weather		
6	8	$\frac{1}{2}$	"	"				
7	8		"	"				
8	9		"	"				
9	8 $\frac{1}{2}$		"	"		Middle part fresh breeze		
10	7		"	NE		& rain very dark		
11	7		"	"				
12	8		"	"				
1	8		SE by E	"				
2	8	$\frac{1}{2}$	"	"				
3	8	$\frac{1}{2}$	"	"		Later part fresh breeze & cloudy		
4	8	$\frac{1}{2}$	"	NE by E				
5	8		"	"		Ends with a fine breeze		
6	9		"	"				
7	9		"	"				
8	9		"	"				
9	7		SE by E	"		{ Lat. by D.R. 26°-13' Long by D.R. 84° 30" }		
10	7		"	"				
11	7		"	"				
12	9		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	8	$\frac{1}{2}$	E by S $\frac{1}{4}$ S	NNE		Sunday April 4 th 1869		
2	6	$\frac{1}{2}$	"					
3	7		ESE			Commences with fresh		
4	8		"			breeze & cloudy weather		
5	9		SE by E					
6	9		"			At 8 P.M. got an altitude of		
7	8	$\frac{1}{2}$	SE by E $\frac{1}{2}$ E			the Polar Star just observable		
8	8		"			of any kind out observation		
9	8		SSE					
10	8		"			Middle part fresh breeze		
11	8		SE			& cloudy		
12	7	$\frac{1}{2}$	SE by S			At 2 P.M. made Portugal light		
1	7	$\frac{1}{2}$	"			bearing SE Dis 24 miles		
2	8		"			at 6 A.M. bore North 6 miles		
3	8	$\frac{1}{2}$	SE by E			Later part fine weather		
4	9	$\frac{1}{2}$	"			with passing clouds		
5	9	$\frac{1}{2}$	SE by S					
6	9		E by S $\frac{1}{2}$ S					
7	8		E by S			Lat by Obs 24°-10'		
8	8		"					
9	8		E $\frac{1}{2}$ S			Long by Obs 82° 26'		
10	8		"	NNE				
11	8		"					
12	7	$\frac{1}{2}$	"					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	7		<i>Ego S $\frac{1}{2}$ S N by N</i>			<i>Monday April 5th 1869</i>		
2	7					<i>all these 24 hours strong breezes</i>		
3	6					<i>and fine weather</i>		
4	6					<i>At 8 P.M. wore ship</i>		
5	5	$\frac{1}{2}$				<i>At 3.30 A.M. Dry Bank light</i>		
6	5	$\frac{1}{2}$				<i>bore N by N Ois 10 miles wore ship</i>		
7	5							
8	5					<i>At 10 A.M. Elbow Key</i>		
9	5		<i>N $\frac{1}{2}$ W</i>	<i>E N E</i>		<i>Eight ^{hours} bore and salt key bank bore</i>		
10	5					<i>South</i>		
11	5					<i>Tacked ship to the N.N.E</i>		
12	5							
1	3	$\frac{1}{2}$				<i>Lat by Obs 24° 16' N</i>		
2	3	$\frac{1}{2}$				<i>Long by Obs 80° 23' West</i>		
3	3	$\frac{1}{2}$						
4	3	$\frac{1}{2}$						
5	4	$\frac{1}{2}$	<i>S $\frac{1}{2}$ E S</i>					
6	6							
7	6							
8	7							
9	7							
10	7							
11	7		<i>N $\frac{1}{2}$ E $\frac{1}{2}$ E</i>					
12	7							

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		<i>N by E</i>	<i>E by N</i>		<i>Tuesday April 6th 1869</i>		
2	5		<i>"</i>	<i>"</i>		<i>commences with strong breeze</i>		
3	4	$\frac{1}{2}$	<i>N $\frac{1}{2}$ E</i>			<i>& cloudy weather</i>		
4	4	$\frac{1}{2}$	<i>"</i>			<i>At 6 P.M. Reaped fore & Mizen</i>		
5	5		<i>"</i>			<i>Top sail</i>		
6	7		<i>"</i>			<i>At 6-30 wore ship to</i>		
7	2	$\frac{1}{2}$	<i>S $\frac{1}{2}$ E</i>	<i>N E</i>		<i>S.E. At 7-15 Carysfort Reef light</i>		
8	2		<i>"</i>			<i>bore N $\frac{1}{2}$ W Ois 16 miles</i>		
9	2	$\frac{1}{2}$	<i>S $\frac{1}{2}$ by S</i>					
10	2	$\frac{1}{2}$	<i>"</i>			<i>At 10-20 Carysfort light bore</i>		
11	2	$\frac{1}{2}$	<i>S S E</i>			<i>N.W. Ois 20 miles</i>		
12	2	$\frac{1}{2}$	<i>"</i>					
1	2	$\frac{1}{2}$	<i>S $\frac{1}{2}$ E $\frac{1}{2}$ E</i>			<i>Middle Part heavy Rain</i>		
2	2	$\frac{1}{2}$	<i>"</i>			<i>Shower</i>		
3	2		<i>S S W</i>	<i>S E</i>				
4	3		<i>South</i>			<i>At 8 A.M. set main. Top sail</i>		
5	1	$\frac{1}{2}$	<i>E S E</i>			<i>Ends with cloudy weather</i>		
6	1	$\frac{1}{2}$	<i>"</i>					
7	1	$\frac{1}{2}$	<i>"</i>					
8	1	$\frac{1}{2}$	<i>"</i>			<i>Lat 25 22</i>		
9	2	$\frac{1}{2}$	<i>N N W $\frac{1}{2}$ N</i>	<i>2 points</i>		<i>Long 79 5.9</i>		
10	4							
11	3	$\frac{1}{2}$						
12	3							

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		NW	NW by E		Wednesday, April 7 th 1869		
2	2		SE	"		commences with strong breeze		
3	2		"	"		with rain		
4	1		SE by S	E. N. E.		At 1 P.M. Tackled ship		
5	1		"	"				
6	2		NW by E	"				
7	2	$\frac{1}{2}$	E. N. E.	"		Middle part strong Gale		
8	2	$\frac{1}{2}$	E by S	"		& rain At 7.30		
9	2	$\frac{1}{2}$	E by S	"		handed upper main topsail &		
10	2	$\frac{1}{2}$	S by E	N. E.		foresail		
11	2	$\frac{1}{2}$	"	"		At 12 midnight wore		
12	3		"	"		ship to North		
1	3		NNW	NW by W				
2	3	$\frac{1}{2}$	"	"		Later part strong wind		
3	3	$\frac{1}{2}$	NW by N	NW		& rain		
4	3	$\frac{1}{2}$	"	"		Ends with strong		
5	4		NW by E	West		breeze and cloudy weather		
6	6		"	"				
7	6		"	"		Lat by Obs 27° 18' North		
8	7		"	"				
9	6		"	"		Long by DR 18° 35' West		
10	8		"	"				
11	8	$\frac{1}{2}$	"	"		Strong current setting to the North		
12	8	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		NW	W by N		Thursday April 8 th 1869		
2	6		"	"		Commences with strong breeze		
3	6		"	"		and fine weather		
4	4	$\frac{1}{2}$	"	"		At 4 P.M. Heavy Gale from		
5	3	$\frac{1}{2}$	"	"		the NNW with Rain handed foresail		
6	3	$\frac{1}{2}$	NW by E	NNW	4	& mainsail & main upper topsail		
7	3	$\frac{1}{2}$	"	"		& mizen lower topsail		
8	3	$\frac{1}{2}$	"	"		laying to under low lower		
9	3	$\frac{1}{2}$	"	"		topsails & fore to prevent stay sail		
10	3	$\frac{1}{2}$	"	"				
11	3	$\frac{1}{2}$	"	"		At 5-30 a brig ran across		
12	3	$\frac{1}{2}$	NNW	NNW		our bow under bare poles		
1	3	$\frac{1}{2}$	"	"		At 10 P.M. wore ship		
2	3	$\frac{1}{2}$	"	"		middle & latter part whole gale		
3	3	$\frac{1}{2}$	"	"		& Rain		
4	3	$\frac{1}{2}$	"	"		Ends with fresh Gale & passing		
5	3	$\frac{1}{2}$	"	"		rain squalls		
6	3	$\frac{1}{2}$	"	"		At 11-30 wore ship		
7	3	$\frac{1}{2}$	NNW	NW by E	3	to the East		
8	3	$\frac{1}{2}$	"	"				
9	3		"	"		Lat by Obs 28° 28' N		
10	3		NW by W	"				
11	3		"	"		Long by Obs 80° 05' West		
12	3		East	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		East			Friday April 9th 1869		
2	3		"			Commences with light breeze		
3	4		E by S			& clear weather		
4	4	$\frac{1}{2}$	"					
5	4		E by S $\frac{1}{2}$ S					
6	3	$\frac{1}{2}$	"			At 12 P.M. Midnight		
7	4	$\frac{1}{2}$	S by E $\frac{1}{2}$ S			Tacked ship to N. N. W.		
8	4	$\frac{1}{2}$	"					
9	3		N by N. N. by N					
10	2		E S E			Latter part calm		
11	1		"					
12	1		"			Ends with light wind		
1	1		N by N			& fine weather		
2	2		"					
3	1		"					
4	1		"					
5	1		N by N					
6	1		"					
7	1		"					
8	1		"			Lat by Obs 29°-24' N		
9	1		"					
10	1		"			Long 79°-25' West		
11	1		"					
12	1		N E					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	2		N N E E	S S W		Saturday April 10th 1869		
2	2		"	"				
3	2		"	"		First part Moderate breeze		
4	2		"	"		& fine weather.		
5	2		"	"				
6	3		"	"				
7	3		"	"		Middle & latter part		
8	3		"	"		Strong breeze & fine weather		
9	4		"	S by S				
10	6		"	"				
11	6		"	"		Ends with light breeze & fine		
12	2		"	"				
1	7		"	"				
2	8		"	"		Lat by Obs 32°-07' N		
3	9		"	"				
4	10		"	"		Long " 77°-50'		
5	11		"	S W by W				
6	11		"	"				
7	10		"	"				
8	9		"	West				
9	8		"	"				
10	7		"	"				
11	6		"	"				
12	6		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4		N $\frac{1}{2}$ E N. west			Sunday April 11 th 1869		
2	4		"					
3	4		"			Commences with light breeze		
4	4					& fine weather		
5	4		E N E N by W					
6	3							
7	2							
8	1					Middle part light breeze		
9								
10			Calm			Later part strong breeze		
11						& fine		
12	3	$\frac{1}{2}$	N E $\frac{1}{2}$ N S W					
1	4					Ends with strong breeze		
2	6					& hazy weather		
3	6	$\frac{1}{2}$						
4	8	$\frac{1}{2}$						
5	10					Lat by Obs 34° 33' N		
6	11					Long by D R 75° 36' W		
7	11							
8	11							
9	11							
10	7					Strong current setting		
11	6		North	West		for the N.E.		
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	7		N $\frac{1}{4}$ W. West			Monday April 12 th 1869		
2	9		"					
3	3		N $\frac{1}{2}$ E N N by N			Commences with strong breeze		
4	3		"			& hazy weather with passing clouds		
5	3		N E $\frac{1}{2}$ E					
6	3		"			At 4 P.M. hauled fore sail		
7	3		N E by E			& Mizen lower topsail halyard		
8	3	$\frac{1}{2}$	"			under fore & main lower topsail		
9	3		E N E $\frac{1}{4}$ E			fore topmast staysail & Reefed spanker		
10	3		"					
11	3		"			Middle part fresh breeze		
12	3		"					
1	3		E by N			At 4 A.M. wore ship to west		
2	3		"			by N.		
3	3	$\frac{1}{2}$	"			Later part moderating		
4	3		"			set fore & main topsails Reefed		
5	3		W by N $\frac{1}{2}$ N			& Mainsail Reefed		
6	3		"					
7	3	$\frac{1}{2}$	"			Ends with fresh breeze		
8	3	$\frac{1}{2}$	"					
9	3	$\frac{1}{2}$	W $\frac{3}{4}$ N N by W			Lat by Obs 35° 36' N		
10	4							
11	4					Long by Obs 74° 20' W		
12	4	$\frac{1}{2}$				Long of Halifax 75° 25'		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4		W by N $\frac{1}{2}$ N North	bombrs				
2	4		"	1. R		Tuesday April 13 th 1869		
3	5		"			All these 24 hours fine weather		
4	5		"					
5	5		"					
6	4		"			First & Middle part		
7	4		"			Strong winds		
8	4		"					
9	4		East			Latter part & end		
10	3	$\frac{1}{2}$	"			light breeze		
11	3	$\frac{1}{2}$	E. S E	N by N		At 11 30 AM Tacked ship		
12	4							
1	4		N W	N N E		At Noon made the land		
2	4		"	"		bearing West - Dis 18 miles		
3	3		"	"		(Hill Devil hills)		
4	3		N W by W	"				
5	3		"	"				
6	4	$\frac{1}{2}$	"	"		Lat by Obs 35° 58		
7	5	$\frac{1}{2}$	"	"				
8	4		N W by W $\frac{1}{2}$ W	"		Long by Obs & Bearings of land		
9	3	$\frac{1}{2}$	"	"		75° - 8 west		
10	3		"	"				
11	2	$\frac{1}{2}$	"	"				
12	2	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		E by S	N by E	1 Part	Wednesday April 14 th 1869		
2	3	$\frac{1}{2}$	"	"	"	First part strong breeze and		
3	3	$\frac{1}{2}$	"	"	"	fine weather at 12 P.M. Tacked		
4	4		N. N W	N by E	"	to the N. N W. at 6 P.M. Tacked		
5	4		"	"	"	to the East		
6	4		"	"	"			
7	4		E by S	N by E	"	Middle & Latter part		
8	4		"	"	"	fresh gale & fine at 2 A.M.		
9	5		"	"	"	handed upper Topsails at 4 A.M.		
10	5		"	"	"	wore ship to the west		
11	4		"	"	"	at 6 A.M. handed the course		
12	4		"	"	"			
1			N by E $\frac{1}{2}$ E	N by W	2h	Ends with fresh gale		
2			"	"	"			
3			"	"	"	Lat by Obs 35° 57 N		
4			"	"	"			
5			W by N $\frac{1}{2}$ N	N $\frac{1}{2}$ W	"	Long by D.R. 75-5 west		
6			"	"	"			
7			"	"	"			
8			"	"	3			
9			"	"	"			
10			"	"	"			
11			"	"	"			
12			"	"	"			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		W ¹ W	N ¹ 4E	2 Pont	Thursday April 15 th 1869		
2	3		"	"	"			
3	3		"	"	"	Commences with strong gale		
4	3		"	"	"	& fine weather		
5	3		E ¹ N ¹ 4E	N ¹ 4W	"			
6	4		"	"	"	Middle & latter part		
7	4		"	"	"	fresh gale & fine weather		
8	4		"	"	"			
9	4		"	"	"	Ends with strong breeze		
10	5		"	"	1 $\frac{1}{2}$	and fine weather till sunset		
11	5		N ¹ 4E	N ¹ 4W	"			
12	5		"	"	"	see for barometer		
1	5		N ¹ 2N	N ¹ 4W	"	at 12 mid night wore ship to W		
2	5		"	"	"	At 9 A.M. see the land		
3	5		"	"	"	bearing W.S.W.		
4	5		"	"	"			
5	4	$\frac{1}{2}$	W ¹ 4N	North	1	Lat by Obs 35 35 N		
6	4	$\frac{1}{2}$	"	"	"			
7	4	$\frac{1}{2}$	"	"	"	Long by D.R. 75 12 West		
8	4	$\frac{1}{2}$	"	"	"			
9	4	$\frac{1}{2}$	"	"	"			
10	5		E ¹ N	N ¹ 4W	"			
11	5		"	"	"			
12	5		"	"	"			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		E ¹ N ¹ 4E	N ¹ 4W	1 Pont	Friday April 16 th 1869		
2	6		"	"	"	all these 4 hours light-breezing		
3	5		"	"	"	wind & fine weather		
4	5		"	"	"			
5	4		"	"	"			
6	2		"	"	"	Ends with light-breeze		
7	2		"	"	"	& fine weather		
8	2		W ¹ 2S	N ¹ 4W	"			
9	2		"	"	"			
10	1		"	"	"			
11	1		"	"	"			
12	1		"	"	"	Lat by Obs 36 41 N		
1	1		West	N ¹ 4W	"	Long by D.R. 74 30 West		
2	2		"	"	"			
3	2		"	"	"			
4	1	$\frac{1}{2}$	N ¹ 4N	"	"	Strong breeze setting to N.E.		
5	1		"	"	"			
6	1	$\frac{1}{2}$	S ¹ W	"	"			
7	2		N ¹ 4W	N ¹ 4E	"			
8	2	$\frac{1}{2}$	"	"	"			
9	3		N ¹ 4W	West	"			
10	7	$\frac{1}{2}$	"	"	"			
11	7		"	"	"			
12	7		"	"	"			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5	$\frac{1}{2}$	N ^W W	Sea		Saturday April 17 th 1869		
2	5	$\frac{1}{2}$	"	"		Commenced with fine breeze		
3	6		W ^N S.S.W			+ clear weather		
4	6		"	"		At 8 P.M. got soundings		
5	8	$\frac{1}{2}$	"	"		at 14 fathoms Sand & shells		
6	9	$\frac{1}{2}$	W ^S S ^W W			At 11 15 made cope chase &		
7	8		S ^W W ^N W	"		Cape Henry. Dis 20 miles		
8	8		"	"		At 2 30 m Pilot came on board		
9	7		W ^S W	South		"		
10	7		"	"		At 3, passed the Cape and proceeded		
11	6		"	"		up the Bay.		
12	7		N ^W W ^N W	"		At 9 A.M. came to anchor at		
1						Cove point with 20 fathoms chain.		
2						At 5 P.M. hove up anchor		
3						Made sail At midnight came about		
4						light bore S by W Dis 8 miles.		
5						So ends this day of 24 hours		
6						to commence civil time		
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Sunday April 18 th 1869		
2						Light breeze & fine weather		
3						all day sailing up the Bay.		
4						At 5 A.M. came to anchor		
5						in the Patuxco with 15 fath chain		
6						Monday April 19 th 1869		
7						Hoisted in to the wharf		
8						Commenced to discharge ballast		
9						to out 80 tons 8 men left		
10						Tuesday April 20 th 1869		
11						Discharging Ballast		
12						Carpenters at work laying plat form		
1						Wednesday April 21 st 1869		
2						Carpenter at work laying plat form		
3						& making bentolade		
4						Men employed at ship duty		
5						Thursday April 22 nd 1869		
6						Hoisted ship in to the Dry Dock to copper		
7						Friday April 23 rd 1869		
8						Men at work caulking & coppering		
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from

towards

Harbor Journal at Baltimore

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			Lat. April 24 th 1869			Wednesday April 28 th 1869		
2			Carpenter at work caulking			Pleasant day taking in coals 7-60		
3			& Coppering sent up our			Thursday April 29 1869		
4			standards with our men			Pleasant taking on coals		
5			Sunday April 26 th 1869			Friday April 30 th		
6			Pleasant day but			Pleasant day most of the time		
7			very boisterous, wind N.W.			taking in coals ships men		
8			laying in dry dock			taking in stores lamp night.		
9						Sat May 1 st 1869 (men had liberty)		
10			Monday April 26 th			Raining all day down		
11			Pleasant weather			stowing away provisions took		
12			finished coppering			in our stock of water 15 days		
1			all but stem & rudder					
2						Sunday May 2 nd 1869		
3			Tuesday April 27 th 1869			Raining all day nothing		
4			Pleasant day			of any not accused during the day		
5			finished coppering, all			Monday May 3 rd 1869 Tuesday 4		
6			2-30 P.M. hauled out of			Very windy day finished take		
7			dock steam tug towed us			ing in coals at Baltimore		
8			across the river under the			Washed off the deck		
9			coal pits commenced to take in			Wed May 5 th Pleasant day		
10			coals took in 10 tons in the dry dock at 2 P.M. steam tug 3 in N.					
11			took in 50 under the coal pit			came 5 looks in low down River		
12						at 8 came to anchor at 9 set		

water

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			Thursday May 6 th 1869					
2			at 11 commenced to take in					
3			coals Pleasant					
4			Friday May 7 th 1869					
5			Sent up fore & main & mizzen					
6			royal yards over off the gun					
7			at 11 30 P.M. hauled up anchor					
8			& steaming towed us down					
9			the Bay at					
10			May 8 th 1869					
11			At 4 A.M. made sail					
12			steamer towing us put the					
1			hawsers below took the port					
2			Anchor on to the Bow washed					
3			deck & stern put ship out					
4			At noon fine breeze so ends					
5			the day of 12 hours to commence nautical time					
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

Passed Cape Henry May 9th 1869

JOURNAL, from

Baltimore

towards

San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Sunday May 9th 1869		
2						All the 24 hours		
3						Moderate breeze & fine weather		
4						Heavy swell from the east		
5						At 8 P.M. past Cape Henry		
6						bearing W.S.W. dist 10 miles		
7						At 8.30 Steamer tug left the ship		
8						At 9 Pilot left the ship		
9						At 2 AM Cape Henry light bore		
10						N.W. by W. dist 20 miles land from		
11						& from this I take my departure		
12								
1						Cape Henry bearing hard by W. dist 20		
2								
3	20 miles		S.E. by E	N.E. by N		Ends with light breeze & fine weather		
4	2		E by S	West				
5	2		"	"				
6	2		"	"				
7	2		"	"				
8	2		"	"				
9	2		"	"		Lat. by Obs 36-51 N		
10	2		"	"				
11	2		East	"		Long by D.R. 75-20 W		
12	2		"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		East	West		Monday May the 10th 1869		
2	3		"	"				
3	3		"	"		All the 24 hours light breeze		
4	3		"	"		& fine weather all sail set		
5	3		"	"				
6	3		"	"		Sent up Studding sail		
7	3		"	"		& Booms		
8	2		"	"				
9	2		"	"				
10	2		"	"				
11	2		"	"		End with light breeze		
12	2		"	"				
1	3		"	"				
2	4		"	"				
3	3		"	"				
4	2		"	"				
5	2		"	"		Lat. by D.R. 36-56		
6	2		E by S	"				
7	2		"	"		Long by D.R. 74-50		
8	2		"	"				
9	4		"	"				
10	5		"	"				
11	3		"	"				
12	3		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from <i>Baltimore</i> towards <i>San Francisco</i>										
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18		
1	2		<i>East.</i>	<i>N.E. by N</i>		<i>Tuesday May 11th 1869</i>				
2	2		<i>E.S.E.</i>	<i>"</i>						
3	2		<i>"</i>	<i>"</i>		<i>This day commences with</i>				
4	2		<i>"</i>	<i>"</i>		<i>a light breeze & fine weather</i>				
5	3		<i>E by S</i>	<i>"</i>						
6	3		<i>"</i>	<i>"</i>		<i>unbent the cables & put them</i>				
7	3		<i>"</i>	<i>"</i>		<i>below</i>				
8	3		<i>"</i>	<i>"</i>						
9	3		<i>S.E. by $\frac{1}{2}$ E. N.E.</i>	<i>"</i>						
10	5		<i>"</i>	<i>"</i>		<i>Middle Part: light air</i>				
11	4									
12	3									
1	2	$\frac{1}{2}$								
2	2	$\frac{1}{2}$				<i>Ends with light breeze</i>				
3	1					<i>& fine weather</i>				
4	1									
5	1									
6	1									
7	<i>Cables</i>					<i>Lat 37-4 N</i>				
8	<i>"</i>									
9	<i>"</i>					<i>Long 73-13 W</i>				
10	4									
11	4									
12	5									
Course.		Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18		
1	7		<i>East.</i>	<i>S by W</i>		<i>Wednesday May 12th 1869</i>				
2	9		<i>"</i>	<i>"</i>						
3	9		<i>"</i>	<i>"</i>		<i>Commences with strong breeze</i>				
4	9		<i>"</i>	<i>"</i>		<i>& fine weather</i>				
5	9		<i>E by S</i>	<i>"</i>						
6	9		<i>"</i>	<i>"</i>						
7	9	$\frac{1}{2}$	<i>"</i>	<i>"</i>		<i>Middle Part: strong breeze</i>				
8	9		<i>"</i>	<i>"</i>						
9	9		<i>"</i>	<i>"</i>						
10	9		<i>"</i>	<i>"</i>						
11	9	$\frac{1}{2}$	<i>"</i>	<i>"</i>		<i>Ends with strong breeze</i>				
12	9	$\frac{1}{2}$	<i>"</i>	<i>"</i>		<i>& fine weather</i>				
1	9		<i>"</i>	<i>"</i>						
2	9		<i>"</i>	<i>"</i>						
3	8		<i>"</i>	<i>"</i>		<i>Lat by Obs 36-57</i>				
4	8		<i>E by S $\frac{1}{2}$ S</i>	<i>"</i>						
5	8		<i>"</i>	<i>"</i>		<i>Long by D. R. 66-48</i>				
6	8		<i>"</i>	<i>"</i>						
7	8	$\frac{1}{2}$	<i>"</i>	<i>"</i>						
8	8	$\frac{1}{2}$	<i>"</i>	<i>"</i>						
9	8	$\frac{1}{2}$	<i>"</i>	<i>"</i>						
10	8	$\frac{1}{2}$	<i>"</i>	<i>"</i>						
11	8	$\frac{1}{2}$	<i>"</i>	<i>"</i>						
12	9		<i>"</i>	<i>"</i>						
Course.		Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from *Baltimore*towards *St. Thomas*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	8		ESE	SSEW		Thursday May 13 th 1869		
2	8		"	"				
3	8		"	"				
4	8		"	"		These 24 hours commences		
5	7		"	"		with strong breeze and fine		
6	6	$\frac{1}{2}$	"	"		weather		
7	6	$\frac{1}{2}$	"	"				
8	4	$\frac{1}{2}$	"	"		Middle Part fine weather		
9	6		"	"				
10	7		"	"		Ends with fine weather		
11	7		"	"		+ light breeze		
12	7		"	"				
1	7		"	South				
2	6		"	"				
3	6		"	"		Lat by Obs 36-11 N		
4	6		"	"				
5	5	$\frac{1}{2}$	"	"		Lat by D R 36-26 N		
6	4	$\frac{1}{2}$	E S by E $\frac{1}{2}$ E	"				
7	3	$\frac{1}{2}$	"	"		Long B R 63-53 W		
8	3		"	"				
9	3		"	"				
10	2	$\frac{1}{2}$	ESE	"				
11	2		"	"				
12	2		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		E $\frac{1}{2}$ S	S by E	bear 90			
2	4	$\frac{1}{2}$	"	"		Friday May 14 th 1869		
3	7		"	"				
4	7	$\frac{1}{2}$	"	"		This day begins with light		
5	8		ESE	South		breeze & fine weather		
6	8		"	"				
7	8	$\frac{1}{2}$	ESE $\frac{1}{2}$ E	S $\frac{1}{2}$ E		Middle & Latter Part		
8	8		"	"		strong breeze		
9	8		E by S	S by E				
10	8		"	"				
11	8	$\frac{1}{2}$	E $\frac{1}{2}$	S by E $\frac{1}{2}$ E				
12	8	$\frac{1}{2}$	"	"				
1	8	$\frac{1}{2}$	ESE $\frac{3}{4}$ S	S $\frac{3}{4}$ E		Ends squally		
2	9		"	"				
3	8	$\frac{1}{2}$	"	"				
4	8	$\frac{1}{2}$	"	"				
5	9		E by S	S by E		Lat by Obs 36-46		
6	9		"	"		" " D R 36 46 N		
7	9		"	"				
8	9		"	"		Long by D R 59-54 W		
9	8	$\frac{1}{2}$	ESE $\frac{1}{4}$ E	S $\frac{3}{4}$ E				
10	8		"	"				
11	9		"	"				
12	9		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from <i>Baltimore</i> towards <i>San Francisco</i>																													
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1	12		ESE	South		Saturday May 15 th 1869 This 24 hours strong breeze & squally weather																							
2	12		"	"																									
3	11		"	"																									
4	11		"	"																									
5	10		SE by E	S $\frac{1}{2}$ W																									
6	9		"	"																									
7	10		"	"																									
8	10		"	"		Middle part strong breeze																							
9	9		"	"																									
10	9		"	"																									
11	9		"	"																									
12	9		"	"																									
1	9	$\frac{1}{2}$	"	"		Ends with strong breeze & cloudy																							
2	9	$\frac{1}{2}$	"	"																									
3	9	$\frac{1}{2}$	"	"																									
4	9	$\frac{1}{2}$	"	"																									
5	9	$\frac{1}{2}$	"	"																									
6	9		"	"																									
7	8		"	"																									
8	8		"	"																									
9	8		"	"																									
10	8		"	"																									
11	8		"	"																									
12	8		"	"																									
<table><tr><td>Course.</td><td>Distance.</td><td>Diff. of Lat.</td><td>Departure.</td><td>Lat. by D. R.</td><td>Lat. by Ob.</td><td>Variation.</td><td>Diff. of Lon.</td><td>Lon. In.</td><td>Lon. by Ob.</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1	8		E by S $\frac{1}{2}$ S	S $\frac{1}{2}$ W		Sunday May 16 th 1869 This day commences with a fresh breeze & squally looking weather																							
2	8		"	"																									
3	8		"	"																									
4	8		"	"																									
5	8		"	"																									
6	8		"	"		At 4 P.M. showed Regatta to Mr. Hore & Huggen of Callant sails rapidly bearing in the middle watch																							
7	8		ESE	South																									
8	9		"	"																									
9	8		"	"																									
10	8		"	"																									
11	8		"	"		At 8.30 A.M. set - top & Cal Sails Ends with cloudy & misty Lea ^t by Obs 36-23 Long by G.R. 52-39																							
12	8		"	"																									
1	7		SE by E	S by W																									
2	5		"	"																									
3	4		E by S	S by E																									
4	4		"	"																									
5	5		East	SSE																									
6	5		"	"																									
7	3		ESE	South																									
8	3		"	"																									
9	2	$\frac{1}{2}$	SE $\frac{1}{2}$ E	SSE																									
10	2	$\frac{1}{2}$	"	"																									
11	5		"	"																									
12	6		"	"																									
<table><tr><td>Course.</td><td>Distance.</td><td>Diff. of Lat.</td><td>Departure.</td><td>Lat. by D. R.</td><td>Lat. by Ob.</td><td>Variation.</td><td>Diff. of Lon.</td><td>Lon. In.</td><td>Lon. by Ob.</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				

JOURNAL, from

Baltimore

towards

San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		SE & S by W					
2	5		"				Monday May 17 th 1869	
3	5		"					
4	5		"				Pleasant weather	
5	4		"				& light breeze	
6	4		"					
7	4		"					
8	4		"					
9	5		"					
10	6		"				Middle & Latter Part	
11	6		"				Light breeze & clear	
12	5		"					
1	5		"				Ends fine	
2	5		"					
3	5		SE					
4	4	$\frac{1}{2}$	"				Lat. by Obs 35°-51 North	
5	4		"					
6	4		"				Long by D.R. 50-26	
7	4	$\frac{1}{2}$	"					
8	5		"					
9	5		"					
10	5		"					
11	4		"					
12	5		"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4	$\frac{1}{2}$	SE	W by N			Tuesday May 18 th 1869	
2	4	$\frac{1}{2}$	"	"			This day	
3	5		"	"			Commences with a light	
4	5		"	"			breeze & fine weather	
5	5		"	"				
6	5		"	"				
7	4		"	"			Middle & Latter Part	
8	4		"	"			Light breeze	
9	4		"	"				
10	4		"	"				
11	4		"	"				
12	4	$\frac{1}{2}$	"	S W			Ends light breeze & fine weather	
1	4	$\frac{1}{2}$	"	"				
2	5		"	"				
3	5		"	"				
4	5		"	"			Lat. by Obs 35-6 N	
5	5		"	"				
6	6		"	"			Long by D.R. 48.19 W	
7	5		"	"				
8	5		"	"				
9	5		"	"				
10	5		"	"				
11	5		"	"				
12	5		"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from				towards															
Baltimore				San Francisco															
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18											
1	5		SE.	SSW		Wednesday May 19 th 1869													
2	5		"	"															
3	5		"	"															
4	5		"	"															
5	6		"	"															
6	7		"	"															
7	6		"	"															
8	6		"	"															
9	7		"	"															
10	7		"	"		Nejable & Letter Port.													
11	8		"	"		Moderate breeze & fine weather													
12	8		"	"															
1	6		"	"		Ends with fine weather													
2	6		"	"															
3	6		"	"															
4	6		"	"															
5	6	$\frac{1}{2}$	"	"		Lat by Obs 34-10 North													
6	6	$\frac{1}{2}$	"	"		Long by D. R. 45-45													
7	6	$\frac{1}{2}$	"	"															
8	6	$\frac{1}{2}$	"	"															
9	6	$\frac{1}{2}$	"	"															
10	6	$\frac{1}{2}$	"	"															
11	6	$\frac{1}{2}$	"	"															
12	6	$\frac{1}{2}$	"	"															
Course.		Distance.		Diff. of Lat.		Departure.		Lat. by D. R.		Lat. by Ob.		Variation.		Diff. of Lon.		Lon. In.		Lon. by Ob.	
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18											
1	6	$\frac{1}{2}$	SE.	SW by S		Thursday May 20 th 1869													
2	6	$\frac{1}{2}$	"	"															
3	6	$\frac{1}{2}$	"	"															
4	6	$\frac{1}{2}$	"	"		This 24 hours commences													
5	7		"	"		with a moderate breeze & passing													
6	7	$\frac{1}{2}$	"	SSW		cloudy													
7	7	$\frac{1}{2}$	"	"		At 8 P.M. a little stronger													
8	8	$\frac{1}{2}$	"	"		wind													
9	8		"	"															
10	7	$\frac{1}{2}$	"	"		Ends with a moderate breeze													
11	7	$\frac{1}{2}$	"	"															
12	7		"	"															
1	7		"	"		Lat by Obs 33-7 N													
2	7		"	"		Long by D. R. 42-42													
3	7		"	"															
4	7		"	"															
5	7		"	"		Obs 43-21													
6	7		"	"															
7	7		"	"															
8	7		"	"															
9	7		"	"															
10	7		"	"															
11	7		"	"															
12	7		"	"															
Course.		Distance.		Diff. of Lat.		Departure.		Lat. by D. R.		Lat. by Ob.		Variation.		Diff. of Lon.		Lon. In.		Lon. by Ob.	

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		SE by S	SW to SS				
2	6		"	"				
3	6		"	"				
4	6		"	"				
5	5		SE by S	"				
6	5		"	"				
7	4		"	"				
8	2		"	"				
9	2		"	"				
10	2		"	"				
11	/		"	"				
12	/		"	"				
1	/		"	"				
2	/		"	"				
3	2		"	"				
4	2		"	"				
5	2		"	"				
6	2		"	"				
7	2	$\frac{1}{2}$	"	"				
8	3		"	"				
9	3		"	"				
10	3		"	"				
11	5		SE by E	"				
12	5		"	"				

Friday May 21st 1869

This day commences with a moderate breeze & clear weather at 6-30 wind hauled WSW checked in the yards & set Fore Top Mast & Mudding sail At 8 PM wind hauled to SW by S braced up again At 8 AM took in Top Mast & Mudding sail all the rest of the sails set

Ends fine weather

Lat by Obs 32-16 North

Lat " DR 32-18 "

Long by Chro 42-0 West

" " DR 41-51 "

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		SE by E $\frac{1}{2}$ E	S $\frac{1}{2}$ W				
2	4	$\frac{1}{2}$	"	"				
3	4	$\frac{1}{2}$	SE by E	S by W				
4	4		"	"				
5	3		"	"				
6	3		"	"				
7	2	$\frac{1}{2}$	SE $\frac{1}{2}$ E	S by W $\frac{1}{2}$ W				
8	2		"	"				
9	2	$\frac{1}{2}$	SE by E	S by W				
10	2	$\frac{1}{2}$	"	"				
11	2	$\frac{1}{2}$	ESE	South				
12	2	$\frac{1}{2}$	"	"				
1	3		SE by E $\frac{1}{2}$ E	S $\frac{1}{2}$ W				
2	4		"	"				
3	4		"	"				
4	4		"	"				
5	3		"	"				
6	3		E by S	S by E				
7	3		"	"				
8	3		"	"				
9	3		"	"				
10	4		E $\frac{1}{2}$ S	S by E $\frac{1}{2}$ E				
11	4		"	"				
12	4		S W	"				

Saturday May 22nd 1869

Commenced with a moderate breeze from the S. by W & fine weather with passing clouds. See a brig to windward, a boat N E & a ship skimming N W. or thereabouts, & one scarcely a boat east by N

Kiddle & Leather Part fine

At 11-50 spoke a Russian Brig short of provision From Bousias 400 res 100 days out. cargo of Sheep skins Gave them some flour & Bread Potatoes & Raisins was in Lat 32-19 N

Long 40-34 West DR

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from <i>Baltimore</i>						towards <i>San Francisco</i>																						
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1	4		S S W	S E		Sunday May 23 rd 1869 These 24 hours commences with fine weather & light breeze At 10 P.M. fresh breeze																						
2	4		"	"																								
3	5		"	"																								
4	5		"	"																								
5	5	$\frac{1}{2}$	S by W $\frac{1}{2}$ S E $\frac{1}{2}$ E	"																								
6	5	$\frac{1}{2}$	"	"																								
7	6		S S W	S E																								
8	7		"	"																								
9	8		S by S	S E by S			Middle & Little Port. fresh breeze																					
10	9		"	"																								
11	9		"	"																								
12	9		"	"																								
1	8		S W $\frac{1}{2}$ S	S S E $\frac{1}{2}$ E		Ends with moderate breeze & fine weather weather with passing clouds																						
2	8		"	"																								
3	8		"	"																								
4	8		"	"																								
5	8		S S W $\frac{1}{2}$ S E $\frac{1}{2}$ S	"																								
6	7		"	"		Lat by Obs 30° 10' North																						
7	8		"	"		Long by D.R. 41° 2' W																						
8	8	$\frac{1}{2}$	"	"		Long by Obs 41° 6' West																						
9	6		"	"																								
10	6		"	"																								
11	6		"	"																								
12	6		"	"																								
<table><tr><td>Course.</td><td>Distance.</td><td>Diff. of Lat.</td><td>Departure.</td><td>Lat. by D. R.</td><td>Lat. by Ob.</td><td>Variation.</td><td>Diff. of Lon.</td><td>Lon. In.</td><td>Lon. by Ob.</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																			
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1	5		S by W $\frac{1}{2}$ S	S E		Monday May 24 th 1869 These 24 hours commences with fresh breeze & fine see two ships steering about North also a Barge at 5 Middle & Little Port. fine Lat by Obs 28° 00' N Long by Chr 42° 42' Long by Obs 40° 20'																						
2	5	$\frac{1}{2}$	"	E																								
3	4	$\frac{1}{2}$	"	"																								
4	4	$\frac{1}{2}$	"	"																								
5	5		"	"																								
6	5	$\frac{1}{2}$	"	"																								
7	5		S $\frac{1}{2}$ W	E by S																								
8	5	$\frac{1}{2}$	"	"																								
9	5		"	"																								
10	5		S $\frac{1}{2}$ W	W by S $\frac{1}{2}$ S																								
11	5		"	"																								
12	5		"	"																								
1	5		"	"																								
2	7		"	"																								
3	5		S by E	S W by W																								
4	4		"	"																								
5	5		S S E	S W																								
6	5		"	"																								
7	4		S $\frac{3}{4}$ E	"																								
8	6		"	"																								
9	7		S by E	"																								
10	7		"	"																								
11	7		"	"																								
12	7		"	"																								
<table><tr><td>Course.</td><td>Distance.</td><td>Diff. of Lat.</td><td>Departure.</td><td>Lat. by D. R.</td><td>Lat. by Ob.</td><td>Variation.</td><td>Diff. of Lon.</td><td>Lon. In.</td><td>Lon. by Ob.</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																			

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		S by E S W			Tuesday May 25 th 1869		
2	6		" E by S					
3	1		"			These 24 hours began with		
4	6		South W S W			fresh breeze & squally weather		
5	6	$\frac{1}{2}$	S by W W by S			At 2 P.M. cleared up		
6	6	$\frac{1}{2}$	"			the Royals at 3 set their		
7	6		South W S W					
8	6		"					
9	6		S $\frac{1}{2}$ W W by S $\frac{1}{2}$ S			At 9 P.M. cleared up the		
10	6		"			Royals & showed their 7 main		
11	6		South W S W			Cop. Gallant - Stay sail		
12	6		"			At 9 A.M. set - Royals		
1	6		"			Middle & Letter Part fresh		
2	6		"			breeze with passing clouds		
3	6		"					
4	6		"					
5	8		"			Ends with fresh breeze from		
6	7	$\frac{1}{2}$	S $\frac{1}{2}$ E S by W $\frac{1}{2}$ W Var			S W by W.		
7	7	$\frac{1}{2}$	"		15° W			
8	7	$\frac{1}{2}$	"			Lat. by Obs 25° 31' N		
9	7	$\frac{1}{2}$	"			Lat. " D.R. 25° 27' N		
10	7	$\frac{1}{2}$	"			Long. by D.R. 39° 55'		
11	7	$\frac{1}{2}$	"					
12	7	$\frac{1}{2}$	"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	7	$\frac{1}{2}$	S $\frac{1}{2}$ E	E by S $\frac{1}{2}$ S		Wednesday May 26 th 1869		
2	8	$\frac{1}{2}$	"	"				
3	7	$\frac{1}{2}$	"	"		These 24 hours begins with		
4	6	$\frac{1}{2}$	"	"		fresh breeze & pleasant weather		
5	6	$\frac{1}{2}$	"	"		with a heavy sea from the S.E.		
6	6	$\frac{1}{2}$	"	"		at 10 P.M. cleared up Royals		
7	6	$\frac{1}{2}$	"	"		Middle & Letter Part		
8	7	$\frac{1}{2}$	"	"		fresh breeze & with Rain squalls		
9	7	$\frac{1}{2}$	S $\frac{3}{4}$ S	E by S $\frac{1}{4}$ S				
10	7	$\frac{1}{2}$	"	"		At noon Passed a Brig		
11	7	$\frac{1}{2}$	"	"		bound to the Northward		
12	7	$\frac{1}{2}$	"	"				
1	6	$\frac{1}{2}$	S by E	Arthur		Lat. by Obs 23° 14' N		
2	5	$\frac{1}{2}$	"	"		Long. by D.R. 38° 57' west		
3	7		S by E $\frac{1}{2}$ E					
4	7		"					
5	7		S by E					
6	8		"					
7	7		"					
8	7		S by E $\frac{1}{2}$ E					
9	8		"					
10	8	$\frac{1}{2}$	"					
11	8	$\frac{1}{2}$	S $\frac{1}{2}$ W					
12	8	$\frac{1}{2}$	"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

Indian "near" L
towards San Francisco

JOURNAL, from <i>Baltimore</i> towards <i>San Francisco</i>									
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18	
1	7	$\frac{1}{2}$	S by E			Thursday May 27 th 1869			
2	7	$\frac{1}{2}$	"						
3	7	$\frac{1}{2}$	"	Var		These 24 hours begin with			
4	7	$\frac{1}{2}$	"	13°		fresh breeze & squally weather			
5	6	$\frac{1}{2}$	"						
6	6	$\frac{1}{2}$	"			Middle Part little more wind			
7	7		S by E $\frac{1}{2}$ E			& heavy Rain showers			
8	7		"						
9	8		S, S E			Ends with fresh breeze			
10	7	$\frac{1}{2}$	"			with passing clouds			
11	7	$\frac{1}{2}$	"						
12	7	$\frac{1}{2}$	"						
1	7	$\frac{1}{2}$	S by E $\frac{1}{2}$ E			Lat by Obs 21° 58 North			
2	7	$\frac{1}{2}$	"						
3	7	$\frac{1}{2}$	"			Long by D.R. 38-21			
4	7	$\frac{1}{2}$	"						
5	6	$\frac{1}{2}$	S by E.						
6	6		"						
7	7	$\frac{1}{2}$	S by E $\frac{1}{2}$ E						
8	7		"						
9	7		"						
10	7		"						
11	7		"						
12	7		"						
Course.	Distance.	Diff. of Lat.	Departure.	Lat by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18	
1	7	$\frac{1}{2}$	S by E $\frac{1}{2}$ E E $\frac{1}{2}$ S	12°		Friday May 28 th 1869			
2	7		"	Var					
3	7	$\frac{1}{2}$	S $\frac{1}{2}$ E E by S $\frac{1}{2}$ S			This day commences with a			
4	7		"	"		fresh breeze & passing clouds			
5	7		S by W S E $\frac{1}{2}$ E			The men at work at the foot			
6	7		"			Roped serving & seizing over a new			
7	6		S $\frac{1}{2}$ E E S E $\frac{1}{2}$ E						
8	6		"	"		Very heavy swell or sea from			
9	6		S by E $\frac{1}{2}$ E E $\frac{1}{2}$ S			the E.S.E. wind about from			
10	6		"	"		the same point.			
11	6		"	"		At 7 P.M. set the Royals & L. Stays			
12	7		"	"		Middle & Leaten Part			
1	6		"	"		Moderate breeze & fine weather			
2	5		"	"					
3	5		"	"					
4	6		"	"					
5	5		"	"		Lat by Obs 19 23 North			
6	6		"	"					
7	6		"	"		Long by D.R. 37 26 West			
8	6		"	"					
9	6		"	"					
10	5		"	"					
11	5		"	"					
12	6		"	"					
Course.	Distance.	Diff. of Lat.	Departure.	Lat by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		SSE	East	Var	Saturday May 29 th 1869		
2	5		"	"	12°			
3	5		"	"				
4	5		"	"				
5	5		S by E 2 E	"				
6	6		"	"		This day commences with a fresh breeze & fine weather		
7	5		SSE	"				
8	5		"	"				
9	5		"	"				
10	5		"	"				
11	6		"	"		Middle & Latter Part a little more wind		
12	6		"	"				
1	6		"	"				
2	5		"	"				
3	6		"	"				
4	5		"	"		Lat. by Obs 17° 34' North		
5	5		SSE 4 E	E 3/4 N				
6	6		"	"				
7	7		"	"				
8	7		"	"				
9	7		S by S	E by N		Lat. " D.R. 17° 33 "		
10	7		"	"				
11	7		"	"				
12	7		"	"				
			"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6	1/2	SSE	East	Var	Sunday May 30 th 1869		
2	6	1/2	"	"	13° W			
3	6	1/2	"	"				
4	6	1/2	"	"				
5	6	1/2	S by S	E by N				
6	7	1/2	"	"		This day begins with fresh breeze & cloudy weather		
7	8	1/2	"	"				
8	8	1/2	"	"				
9	9	1/2	S by S 1/4 S	"				
10	9	1/2	"	"				
11	9	1/2	"	"		Middle Part Strong wind		
12	10		"	"				
1	9		SSE	East				
2	7	1/2	"	"				
3	7	1/2	"	"				
4	7	1/2	"	"		Latter Part little more moderate		
5	7	1/2	SSE 1/2 E	E 1/2 N				
6	7	1/2	"	"				
7	7	1/2	"	"				
8	7	1/2	"	"				
9	7		SSE 1/2 S	E by N 1/2 N		Ends with fresh breeze & pleasant weather with passing clouds		
10	7		"	"				
11	8		SSE	East				
12	8		"	"				
			"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	8		SSE	E 1/2 N	Var	Monday May 31 st 1869		
2	8		"	"	12°			
3	8		"	"		This day commences with		
4	8		"	"		fresh breeze & cloudy weather.		
5	8	1/2	"	"				
6	9	1/2	"	"		At 6.30 P.M. stowed the		
7	9		"	"		Rigals & Top Gall. Hays		
8	8		"	"				
9	9		SSE	E 1/2 N		Strong wind the		
10	8		"	"		rest of this day		
11	7	1/2	"	"				
12	6	1/2	"	"		Opened a Ball Reef		
1	7		"	"		this 31 st day of May		
2	7		"	"				
3	8		"	"		Ends with strong breeze		
4	8		"	"		& cloudy		
5	9		"	"		set up fore topmast back		
6	9		"	"		stays. Ball & Reef		
7	9		"	"				
8	9		"	"		Lat by Obs. 13.12 N		
9	9		"	"		Lat " D.R. 12.56 N		
10	9		"	"				
11	9		"	"		Long by D.R. 31° 40 West		
12	8		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	9		SSE	E 1/2 N		Tuesday June 1 st 1869		
2	10		"	"				
3	10		SSE 1/2 E	E 1/2 N	Var	This day begins with strong		
4	9	1/2	"	"	11°	wind from ENE & cloudy weather		
5	9	1/2	"	"		and quite warm		
6	9	1/2	"	"				
7	8	1/2	"	"		Middle part a little more		
8	8	1/2	"	"		Moderate		
9	9	1/2	SSE	East				
10	9	1/2	"	"		Latter part light wind		
11	8	1/2	"	"				
12	8		"	"		Ends with pleasant weather		
1	8		"	"		with passing clouds		
2	8		"	"				
3	7		SSE 1/2 E	E 1/2 N		Lat By Obs. 10° 51 North		
4	7		"	"		Lat " D.R. 10° 59 "		
5	6		"	"				
6	6		"	"		Long by D.R. 29° 49		
7	6		"	"				
8	6		"	East				
9	6		SSE	"				
10	6		"	E 1/2 S				
11	6		SSE 1/2 E	"				
12	6		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		SSE	East		Tuesday	Wednesday June 20 th 1869	
2	5		"	"				
3	5		"	"				
4	5		"	"		This day begins with fresh breeze & cloudy weather.		
5	6	$\frac{1}{2}$	"	"				
6	7	$\frac{1}{2}$	"	"	Var	Middle & Letter Port		
7	7	$\frac{1}{2}$	"	"	12°	a stronger breeze blowing.		
8	7	$\frac{1}{2}$	"	"				
9	7	$\frac{1}{2}$	SSE & E	E & N		Ends with a light breeze		
10	8		"	"				
11	8		"	"		Lat. by D. R. 8° 36' North		
12	8		"	"		Long by D. R. 28.00 west		
1	8		SE by S	"				
2	8		"	"				
3	9		"	"				
4	9		"	"				
5	8	$\frac{1}{2}$	"	"				
6	8	$\frac{1}{2}$	"	"				
7	7	$\frac{1}{2}$	SSE	"				
8	8		"	"				
9	7		S by E	"				
10	6		"	"				
11	5		"	"				
12	5		"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		South	ESS		Thursday June 23 rd 1869		
2	4		"	"				
3	3		SE by S	SE by S		All these 24 hours light breeze & hazy weather		
4	3		"	"				
5	3		"	"				
6	2		S & W	"		See two ships one steering north & one south		
7	3		S & L	SSE				
8	3		"	"				
9	2		"	"				
10	2		"	"				
11	2		"	"		Lat by Ob 7° 28'		
12	2		S by E	"				
1	3		"	"				
2	3		S by E & L	"		Long By D. R. 27 40		
3	3		"	"				
4	3		"	"				
5	3		"	"				
6	3		"	"				
7	3		"	"				
8	3		"	"				
9	4		"	"				
10	4		"	"				
11	4		"	"				
12	4		S, S E	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from <i>Baltimore</i> towards <i>San Francisco</i>																													
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1	4		SSE	NE		Friday June 4 th 1868																							
2	5		"	"																									
3	5		"	"		Commences with moderate																							
4	6		"	"		breeze to passing rain																							
5	4		"	"		showers																							
6	3		"	"																									
7	4		SSE	East		Middle to Leeward																							
8	4		"	"		Baffling winds to heavy																							
9			"	"		Rain																							
10			"	"																									
11			"	"		Ends with light																							
12			"	"		breeze to passing clouds																							
1			"	"																									
2			"	"																									
3	5		SSE	SSW		Lat by Obs 6.42 N																							
4	5		"	"																									
5	3		E by N	SSE		Long by D.R. 27-36 west																							
6			"	"																									
7	2		SSW	SSE																									
8	2		"	"																									
9	4		west	"																									
10	3		"	SSW																									
11	2		WSW	"																									
12	2		"	South																									
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D.R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1	2		W by S	NW		Saturday June 5 th 1868																							
2	1		"	"																									
3	1/2		SSW	"		All these 24 hours light																							
4	1/2		"	"		in some rain & calm																							
5	1		SSE	NNE																									
6	1/2		"	"	Var 12°	Middle part light air																							
7	Calm		"	"																									
8			"	"																									
9	2		S by S	"																									
10	3		SSW	"																									
11	3		S by E	"																									
12	3		"	"		Lat by D.R. 5° 56																							
1	1		S by E 1/2 E	"		Long by " " 27.26																							
2	1		"	"																									
3	3		"	"																									
4	4		"	"																									
5	4		"	"																									
6	4		"	"																									
7	5		"	"																									
8	5		"	"																									
9	5		"	"																									
10	4		"	"																									
11	2	1/2	SW	SSE																									
12	2	1/2	SW by W	SSE																									
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D.R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				

JOURNAL, from

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	1869
1	1		S by W	SSE		Sunday June 6 th 1869 These 24 hours begin with a very light air from the SSE Basting winds & very light Middle & Latter Part very Rainy	6	
2	1		"	"				
3		$\frac{1}{2}$	"	"				
4		$\frac{1}{2}$	"	"				
5		$\frac{1}{2}$	S by S					
6		$\frac{1}{2}$	"					
7		$\frac{1}{2}$	"					
8		$\frac{1}{2}$	"					
9	7	$\frac{1}{2}$	S by W					
10		$\frac{1}{2}$	SSE					
11	1		"					
12	1		"					
1	1		SSW			Ends with heavy rain Lat by D. R. 5-13 Long by D. R. 27-30 " " " 27-40		
2	1		"					
3	4		S by E					
4	3		"					
5	2		"					
6	4		"					
7	6		"					
8	5	$\frac{1}{2}$	S, SW by W					
9	4		"					
10	2		S by S					
11	2		"					
12	4		"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		S by S	Var		Monday June 7 th 1869 This day begins with light winds with Rain Middle & Latter Part fresh breeze Lat by Obs 3° 51 North Long by D. R. 28° 34		
2	2		"	12°				
3	4		S by W					
4	5	$\frac{1}{2}$	"					
5	4		S by S					
6	3		"					
7	3		SSW					
8	2	$\frac{1}{2}$	"					
9	3		S by S					
10	3	$\frac{1}{2}$	"					
11	3	$\frac{1}{2}$	S by W					
12	3		"					
1	3		West.					
2	6		S by W					
3	6		"					
4	5		"					
5	6		"					
6	6		"					
7	5		"					
8	5		"					
9	5		S by W					
10	6		"					
11	7		"					
12	7		"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from <i>Baltimore</i> towards <i>San Francisco</i>									
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18	
1	6		<i>S W $\frac{1}{2}$ W, S, S E</i>		<i>12° 30'</i>	<i>Tuesday June 8th 1869</i>			
2	6		"	"	<i>Var</i>				
3	6		"	"		<i>These 24 hours commenced</i>			
4	6		"	"		<i>with a fresh breeze & Pleasant</i>			
5	6		"	"		<i>weather</i>			
6	6		"	"		<i>at 5 P.M. spoke ship</i>			
7	6	$\frac{1}{2}$	<i>S W</i>	"		<i>Yosemite from Liverpool</i>			
8	6	$\frac{1}{2}$	"	"		<i>Bound to Sydney 20 days out</i>			
9	6	$\frac{1}{2}$	"	"					
10	6	$\frac{1}{2}$	"	"		<i>Middle & Latter not quite</i>			
11	6	$\frac{1}{2}$	"	"		<i>so fresh a breeze</i>			
12	6	$\frac{1}{2}$	"	"					
1	6		"	"		<i>Ends with fresh breeze</i>			
2	5		"	"		<i>& fine weather</i>			
3	4		"	"					
4	3		"	"					
5	4		<i>S W $\frac{1}{2}$ S</i>	<i>S, S E $\frac{1}{2}$ E</i>		<i>Lat by Obs 1° 57' North</i>			
6	5		"	"					
7	6		"	"		<i>Lat " D.R. 2° 0 "</i>			
8	6		"	"					
9	6		<i>S W $\frac{1}{2}$ W</i>	<i>S, S E</i>		<i>Long " " 39° 53 West</i>			
10	6		"	"					
11	6	$\frac{1}{2}$	"	"					
12	6	$\frac{1}{2}$	"	"					
Course.		Distance.		Diff. of Lat.		Departure.		Lat by D.R.	
								Lat. by Ob.	
								Variation.	
								Diff. of Lon.	
								Lon. In.	
								Lon. by Ob.	
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18	
1	6	$\frac{1}{2}$	<i>S' W $\frac{3}{4}$ W</i>		<i>12°</i>	<i>Wednesday June 9 1869</i>			
2	6	$\frac{1}{2}$	"		<i>Var</i>				
3	6		"			<i>These 24 hours began with</i>			
4	6		"			<i>a moderate breeze & fine</i>			
5	5	$\frac{1}{2}$	<i>S' W $\frac{1}{2}$ S</i>			<i>weather</i>			
6	5	$\frac{1}{2}$	"						
7	5	$\frac{1}{2}$	<i>S' W $\frac{1}{2}$ S</i>						
8	5	$\frac{1}{2}$	"			<i>Middle & Latter Part</i>			
9	5		<i>S' W</i>			<i>little more moderate</i>			
10	5		"						
11	5		"						
12	5		"			<i>Ends light breeze</i>			
1	4		"						
2	4		"			<i>Lat by Obs 0° 7' North</i>			
3	4		"						
4	4	$\frac{1}{2}$	<i>S, S W $\frac{1}{2}$ W</i>						
5	4	$\frac{1}{2}$	"			<i>Long 30° 45 West</i>			
6	4	$\frac{1}{2}$	"						
7	4	$\frac{1}{2}$	"						
8	4	$\frac{1}{2}$	"						
9	4	$\frac{1}{2}$	"						
10	4	$\frac{1}{2}$	"						
11	4	$\frac{1}{2}$	"						
12	4	$\frac{1}{2}$	"						
Course.		Distance.		Diff. of Lat.		Departure.		Lat by D.R.	
								Lat. by Ob.	
								Variation.	
								Diff. of Lon.	
								Lon. In.	
								Lon. by Ob.	

JOURNAL, from

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San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4	$\frac{1}{2}$	SW by S			Thursday June 10 th 1869		
2	4	$\frac{1}{2}$	"					
3	4	$\frac{1}{2}$	E by SE			These 24 hours begins with		
4	4	$\frac{1}{2}$	East			a light breeze & fine weather		
5	4		E by S		Var			
6	3		"		10°	At 2 P.M. Tacked Ship		
7	3		E by N			to E.S.S.		
8	3		"			At 8 P.M. Tacked Ship		
9	3	$\frac{1}{2}$	S.S.W. $\frac{1}{2}$ N			to S.S.W.		
10	3	$\frac{1}{2}$	"			Middle & Latter Part		
11	3	$\frac{1}{2}$	"			light wind but fine		
12	3	$\frac{1}{2}$	"					
1	3		S.W. $\frac{1}{4}$ S, S.S.E			Ends Light breeze		
2	3		"					
3	3		"			Lat. by Obs 0° 35"		
4	3		"					
5	4		"			Lat. " 2 R. 40"		
6	5		"					
7	5		"			Long. " 2 R. 32° 24'		
8	4		"					
9	4		"			Long. " 2 R. 33-8		
10	4		"					
11	4		"					
12	4		"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		S.W. $\frac{1}{2}$ S, S.S.E	Var		Friday June 11 th 1869		
2	5	$\frac{1}{2}$	"	114°				
3	5	$\frac{1}{2}$	S.S.W. $\frac{1}{2}$ N, L E			This day commences		
4	6		"			with moderate breeze & fine		
5	5		S by W $\frac{1}{2}$ N, S E by E	14 P.M.		weather		
6	5		"					
7	5		S $\frac{3}{4}$ W, C.S.E $\frac{1}{2}$ E			Middle Part more wind		
8	4	$\frac{1}{2}$	"	"		stowed main Royal Shaysail		
9	5		"	"		main Top Gallant Shaysail		
10	5		"	"		Mizen Top Mast Shaysail		
11	6		"	"				
12	6	$\frac{1}{2}$	"	"		Latter Part fresh breeze		
1	4		S by W $\frac{1}{2}$ N, S E by E			At 8.30 Tacked Ship to		
2	6		"	"		E $\frac{1}{2}$ N		
3	5		"	"				
4	6		"	"		Ends fresh breeze & squally		
5	4	$\frac{1}{2}$	"	"				
6	6	$\frac{1}{2}$	"	"		Lat. by Obs 2° 8' South		
7	6	$\frac{1}{2}$	S by W $\frac{3}{4}$ W	"		" 2 R. 2° 16'		
8	6	$\frac{1}{2}$	"	"				
9	5	$\frac{1}{2}$	E $\frac{1}{2}$ S, S.L. by S $\frac{1}{2}$ S			Long. by 2 R. 33° 35' West		
10	5	$\frac{1}{2}$	"					
11	6	$\frac{1}{2}$	E by N, S.S.E					
12	6	$\frac{1}{2}$	"					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from <i>Baltimore</i> towards <i>San Francisco</i>																													
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1	6	$\frac{1}{2}$	E $\frac{3}{4}$ N	S by E	9°	This 24 hours commences with a fresh breeze & fine weather	Saturday June 12 th 1869																						
2	6	$\frac{1}{2}$	"	"	Var																								
3	6	$\frac{1}{2}$	"	"	"																								
4	6	$\frac{1}{2}$	"	"	"																								
5	6	$\frac{1}{2}$	E N E $\frac{1}{2}$ E	S E $\frac{1}{2}$ S	"																								
6	7		"	"	"	Middle & Latter Part fresh breeze																							
7	6	$\frac{1}{2}$	"	"	"																								
8	6	$\frac{1}{2}$	"	"	"																								
9	6	$\frac{1}{2}$	E N E $\frac{1}{4}$ E	"	"																								
10	6	$\frac{1}{2}$	"	"	"	At 12 midnight Tacked Ship to S S W $\frac{1}{2}$ E																							
11	6		"	"	"																								
12	6		"	"	"																								
1	5		S S W $\frac{1}{2}$ W	"	"	Ends moderate breeze & fine																							
2	5		"	"	"																								
3	5		"	"	"	Lat by Obs																							
4	5		"	"	"																								
5	5		S W by S	"	"	Long by G R																							
6	5		"	"	"																								
7	6		"	"	"																								
8	6	$\frac{1}{2}$	"	"	"																								
9	5		"	"	"																								
10	5		"	"	"																								
11	5		"	"	"																								
12	6		"	"	"																								
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D. R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1	5	$\frac{1}{2}$	E by N	"	"	Sunday June 13 th 1869																							
2	5	$\frac{1}{2}$	"	"	"																								
3	5	$\frac{1}{2}$	E N E	"	"																								
4	5	$\frac{1}{2}$	"	"	"																								
5	5		E N E	"	"																								
6	5		"	"	"	At 8 P.M. Tacked Ship to S by W Middle Part heavy squall with Rain																							
7	5		"	"	"																								
8	4		"	"	"																								
9	4		S by W	"	"																								
10	5		"	"	"	Latter Part Squally																							
11	5		"	"	"																								
12	5		"	"	"																								
1	4		S $\frac{3}{4}$ W	"	"	Lat by Obs 231																							
2	3	$\frac{1}{2}$	"	"	"																								
3	4		"	"	"	Lat by G R 237																							
4	9	$\frac{1}{2}$	"	"	"																								
5	5		"	"	"	Long by G R 3226																							
6	5		"	"	"																								
7	4		S S W	"	"																								
8	5		"	"	"																								
9	5	$\frac{1}{2}$	S by N $\frac{3}{4}$ W	"	"																								
10	6		"	"	"																								
11	6		"	"	"																								
12	6		"	"	"																								
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D. R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				

JOURNAL, from

Baltimore

towards

San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	0		S $\frac{1}{2}$ E	E by S	$\frac{1}{4}$		Monday June 14 th	1869
2	0		"	"	Leeway			
3	4		S by W $\frac{1}{2}$ S	E by S	$\frac{1}{4}$		These 24 hours commences	
4	5		"	"	$\frac{3}{4}$		with fresh breeze & Passy	
5	5		S by S $\frac{1}{2}$ S	S by S	Var		Rain Squalls	
6	5 $\frac{1}{2}$		E by N $\frac{1}{2}$ S	S by S			At 4 ⁴⁰ hauled Ph	
7	5 $\frac{1}{2}$		"	"			up cross jack & set at haul	
8	5 $\frac{1}{2}$		"	"			Tacked Ship to East	
9	0		"	"				
10	0	$\frac{1}{2}$	"	"			At 8 AM slowed cross	
11	0	$\frac{1}{2}$	"	"			jack	
12	0	$\frac{1}{2}$	"	"				
1	0	$\frac{1}{2}$	E $\frac{1}{2}$ S	S by S			Ends fresh breeze	
2	0	$\frac{1}{2}$	"	"			Lat by Ob 2° 18 South	
3	0	$\frac{1}{2}$	"	"			Lat by D.R. 2° 44 - Currents	
4	0	$\frac{1}{2}$	"	"			2° 15	
5	0	$\frac{1}{2}$	"	"			2° 19	
6	0	$\frac{1}{2}$	"	"			Long 31° 46 West	
7	0	$\frac{1}{2}$	"	"				
8	0	$\frac{1}{2}$	"	"				
9	0	$\frac{1}{2}$	"	"				
10	0	$\frac{1}{2}$	"	"				
11	0	$\frac{1}{2}$	"	"				
12	0	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	0	$\frac{1}{2}$	E $\frac{1}{4}$ S				Tuesday June 15 th	1869
2	0	$\frac{1}{2}$	"				These 24 hours commences with	
3	0	$\frac{1}{2}$	"				a fresh breeze & passing clouds	
4	0	$\frac{1}{2}$	"				Middle & Letter Part most	
5	0	$\frac{1}{2}$	E by S				Moderate	
6	0	$\frac{1}{2}$	"					
7	0	$\frac{1}{2}$	"				At 8 AM Tacked Ship	
8	5 $\frac{1}{2}$		"				to S W $\frac{1}{4}$ W	
9	5 $\frac{1}{2}$		"				At 11 Tacked Ship to east	
10	5		"					
11	5		"					
12	5		"					
1	5		E $\frac{1}{2}$ S				Lat by Obs 2° 12 South	
2	4 $\frac{1}{2}$		"				Lat " D.R. 2° 14 "	
3	4 $\frac{1}{2}$		E by S					
4	4 $\frac{1}{2}$		"					
5	4		E $\frac{1}{2}$ S				Long " " 29° 30 W	
6	4		"				30° 7 W	
7	4		"					
8	4		S W $\frac{1}{4}$ W					
9	4 $\frac{1}{2}$		"					
10	4		"					
11	4 $\frac{1}{2}$		"					
12	5		East					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4	$\frac{1}{2}$	Eust.			Wednesday June 16 th / 1869		
2	4	$\frac{1}{2}$	"					
3	4	$\frac{1}{2}$	"			This day begins with moderate breeze & passing rain squalls		
4	4	$\frac{1}{2}$	"					
5	5		E by S					
6	1		SW			At 5 30 Tacked Ship to		
7	3		SW $\frac{1}{2}$ S			SW		
8	3		SW by S			Middle Part Light-breeze		
9	3		"			At 11 P.M. Tacked Ship		
10	3		SW by W $\frac{1}{2}$ W			to S $\frac{1}{2}$ by E		
11	3		"			At 4 30 A.M. Tacked		
12	3		S $\frac{1}{2}$ by E $\frac{1}{2}$ E			Ship to E $\frac{1}{2}$ SSW		
1	3		"					
2	4		E $\frac{1}{2}$ S			Ends with a moderate breeze		
3	4		"					
4	1		"			beat by S		
5	1		"					
6	5		SSW			beat by S R 2 nd 54 down		
7	5		"					
8	4		"			Long by " 29 34 min		
9	6		SW by S			28 7		
10	6		"					
11	6		"			Long by S R. 30 30 = 31 20		
12	6		"			Course 40		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4	$\frac{1}{2}$	Eust.	14 S by E				
2	4	$\frac{1}{2}$	"					
3	4	$\frac{1}{2}$	"	16 S by E				
4	4	$\frac{1}{2}$	"					
5	5		E by S					
6	1		SW					
7	3		SW $\frac{1}{2}$ S					
8	3		"					
9	3		SW by S					
10	3		SW by W $\frac{1}{2}$ W					
11	3		"					
12	3		S $\frac{1}{2}$ by E $\frac{1}{2}$ E					
1	3		E by S					
2	4		"					
3	4		"					
4	1		"					
5	1		"					
6	5		SSW					
7	4		"					
8	5		"					
9	6		SSW $\frac{1}{2}$ W					
10	6		"					
11	6		"					
12	6		"					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		SW by S	SE by S		Thursday June 17 th 1869		
2	6		"	"	90° Var			
3	6	$\frac{1}{2}$	"	"		This 24 hours commences		
4	6	$\frac{1}{2}$	"	"		with fresh breeze & fine weather		
5	5		"	"				
6	5		"	"		Middle Past more moderate		
7	5		SW $\frac{1}{2}$ S	SE $\frac{1}{2}$ S		At 1-40 AM Ferdinand bore		
8	5		"	"		the bore SE by S		
9	5		SSW	SE				
10	5		"	"		Made Ferdinand Noronha at		
11	5		"	"				
12	5		"	"				
1	7		SW $\frac{1}{4}$ S	"		At 3-40 bore ENE		
2	6	$\frac{1}{2}$	"	"				
3	6		SSW $\frac{1}{4}$	"		Lat by Obs 4° 45' South		
4	5		"	"		" " D.R. 4.49 "		
5	4		"	"				
6	4		"	"				
7	4		"	"		Long by D.R. 32°		
8	4		"	"		60 miles Current		
9	5	$\frac{1}{2}$	"	"		33.6 west		
10	5		"	"		Long by Choc 33°		
11	5		"	"				
12	4	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		SLW			This 24 hours commences		
2	5		"			with fresh breeze & fine weather		
3	5	$\frac{1}{2}$	SW by S			At 8 P.M. Tacked Ship to East		
4	5	2	"					
5	5		"			Middle & Leather Part light		
6	4	$\frac{1}{2}$	"			winds		
7	4		"			At 4.00 Tacked Ship		
8	2		East			to E by SSW $\frac{1}{4}$ W		
9	3		N E by E					
10	3	$\frac{1}{2}$	"			At 7.15 Tacked Ship to East		
11	3	$\frac{1}{2}$	"					
12	3		"					
1	3		"			Lat by Obs 5° 12'		
2	3		"			" " D.R. 5 15 South		
3	3		"					
4	3		SSW $\frac{1}{4}$ W			Long by Choc 33° 18' west		
5	3		"			" " D.R. 33° 00 "		
6	3	$\frac{1}{2}$	"					
7	3		"					
8	1	$\frac{1}{2}$	E by N			At noon Tacked to E by S		
9	3	$\frac{1}{2}$	"					
10	1	$\frac{3}{4}$	"					
11	3		SW by W					
12	3		"					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		E $\frac{3}{4}$ S	S by E $\frac{1}{2}$ E		Saturday June 19 th 1869		
2	5	$\frac{1}{2}$	"	"				
3	5	$\frac{1}{2}$	"	"				
4	5		"	"				
5	5	$\frac{1}{2}$	East.	"				
6	5	$\frac{1}{2}$				This 24 hours commences with moderate breezes & light rain squalls		
7	7		E $\frac{1}{2}$ N					
8	7		"					
9	7		S $\frac{1}{2}$ W $\frac{1}{2}$ W, S $\frac{1}{2}$ E					
10	7		"	"				
11	7		"	"		At 8 P.M. Tacked Ship to S S W		
12	7		"	"				
1	7		"	"				
2	7		"	"				
3	7		"	"				
4	7		"	"		Leat by Obs 6 46 South		
5	7		"	"				
6	8		"	"				
7	6		"	"				
8	6		"	"				
9	6		S $\frac{1}{2}$ W by S	S by E $\frac{1}{2}$ E		Long " " 33 29 West.		
10	7		"	"				
11	7	$\frac{1}{2}$	"	"				
12	7	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6	$\frac{1}{2}$	S by S	S by S		Sunday June 20 th 1869		
2	6	$\frac{1}{2}$	"	"				
3	5		S $\frac{1}{2}$ W by W	S by E $\frac{1}{2}$ E				
4	5		"	"				
5	5		"	"				
6	3		E $\frac{1}{2}$ N			This day commences with a fresher breeze & pleasant weather		
7	6		"					
8	5	$\frac{1}{2}$	E $\frac{3}{4}$ S					
9	5	$\frac{1}{2}$	E $\frac{1}{4}$ S					
10	5	$\frac{1}{2}$	"					
11	5	$\frac{1}{2}$	"			At 5:30 P.M. Tacked Ship to the East.		
12	4		"					
1	5	$\frac{1}{2}$	S $\frac{1}{2}$ W by S	S by E				
2	5	$\frac{1}{2}$	"	"				
3	6		"	"				
4	6		"	"		At 12 midnight Tacked to S S W		
5	5		S S W	S E				
6	5		"	"				
7	5		"	"				
8	5		"	"				
9	5		"	"		Leat by Obs 8° 6 South		
10	5		"	"				
11	7	$\frac{1}{2}$	S $\frac{1}{2}$ W by S	S by E				
12	4	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4		SW by S	SE by S		Monday June 21 st 1869		
2	4		"	"				
3	1		SE			This day commences with		
4	2		SW by S			a light & baffling wind		
5	4		"					
6	4		SSW			At 3 Tacked Ship at 3.30		
7	4	$\frac{1}{2}$	SSW by W			Tacked Ship to SW by S		
8	4	$\frac{1}{2}$	"			At 8 P.M. Tacked Ship to East		
9	3		East.			At 4 A.M. " " to SSW		
10	3		"					
11	3		ENE			Middle & Latter Part fine		
12	4		"			weather & moderate breeze		
1	4		S by W $\frac{1}{2}$ W					
2	4		"			Ends with fresh breeze		
3	4		S $\frac{1}{4}$ W					
4	4		"			Lat by Obs $09^{\circ} 07'$ South		
5	4		SSW	SE				
6	4		"	"				
7	4		S by W $\frac{1}{2}$ W			Long by D.R. 34.25 West		
8	4		"					
9	5		S by W ESE					
10	6	$\frac{1}{2}$	"					
11	6	$\frac{1}{2}$	"					
12	6	$\frac{1}{2}$	"					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		$S\frac{1}{2}W$	ESE		Tuesday June 22 nd 1869		
2	5		"	"				
3	4	$\frac{1}{2}$	"	"		This day commences with		
4	4	$\frac{1}{2}$	"	"		a moderate breeze from SSW		
5	4	$\frac{1}{2}$	"	"				
6	5		"	"		Middle & Latter Part		
7	5		S by W	"		not quite so much wind		
8	5		"	"		At 7 A.M. light Rain squalls		
9	5		"	"				
10	5		"	"		Ends with fine weather		
11	4	$\frac{1}{2}$	"	"		Lat by Obs $11^{\circ} 17'$ South		
12	4	$\frac{1}{2}$	"	"				
1	4		"	"		Lat. by D.R. $11^{\circ} 00'$ South		
2	4		"	"				
3	4		SSW	SE				
4	4		"	"		Long by D.R. $33^{\circ} 41'$ West		
5	4	$\frac{1}{2}$	"	"				
6	5		"	"				
7	5		"	"				
8	6		"	"				
9	6		"	"				
10	6		"	"				
11	5	$\frac{1}{2}$	"	"				
12	5	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		SSW	SE		Wednesday June 23 1869		
2	5	1	"	"				
3	4	$\frac{1}{2}$	"	"		This day commences with		
4	4	$\frac{1}{2}$	"	"		a moderate breeze & fine weather		
5	5		SW by S	SE by S				
6	5	$\frac{1}{2}$	"	"		Middle & latter part strong		
7	5	$\frac{1}{2}$	"	"		breeze with passing rain squalls		
8	6		"	"				
9	6	$\frac{1}{2}$	SSW	SE		Ends with a fresh breeze		
10	6	$\frac{1}{2}$	"	"		& fine weather		
11	8		S by W	SE by E				
12	9		"	"				
1	8	$\frac{1}{2}$	"	"				
2	8	$\frac{1}{2}$	"	"		Lat by Obs 14.° 8 South		
3	8	$\frac{1}{2}$	"	"		" D R 14. 4 south		
4	8	$\frac{1}{2}$	"	"				
5	9	$\frac{1}{2}$	S by W	"		Long by D R 34° 2 west		
6	9	$\frac{1}{2}$	"	"				
7	9		"	"				
8	9		"	"				
9	7	$\frac{1}{2}$	S by W	"				
10	7	$\frac{1}{2}$	"	"				
11	7	$\frac{1}{2}$	"	"				
12	7	$\frac{1}{2}$	"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	7		S by W by W			Thursday June 24 th 1869		
2	7		"					
3	7		"			This day begins with a fresh		
4	7		"			breeze & fine weather		
5	8		S by W					
6	9		"			Middle part strong breeze		
7	9		"					
8	9		"					
9	8		S by W by W			Latter part moderate breeze		
10	8		"					
11	8		"					
12	8		"			Lat by D R 16° 46 south		
1	8		"					
2	7		"					
3	6		"			Long by D R 34° 29 west		
4	5		"					
5	4		S by W					
6	5		"			At 8 A. M. spoke ship		
7	4		"			Antigua London ship		
8	5		"			Hague London & Bound to		
9	5		S by W by W			Shanghai		
10	3		"					
11	8		"					
12	8		"					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	7		By W	By S			Friday June 25th 1869	
2	7		"	"				
3	6		"	"				
4	5		"	"				
5	6		"	"				
6	6		"	"				
7	4	$\frac{1}{2}$	By W	"				
8	6	$\frac{1}{2}$	"	"				
9	7	$\frac{1}{2}$	By W	"				
10	7	$\frac{1}{2}$	"	"				
11	7	$\frac{1}{2}$	"	"				
12	7	$\frac{1}{2}$	"	"				
1	7	$\frac{1}{2}$	"	"				
2	7	$\frac{1}{2}$	"	"				
3	6		"	East				
4	6		"	"				
5	6		"	"				
6	6		"	"				
7	6		"	"				
8	5		"	"				
9	5		"	"				
10	3		"	"				
11	2	$\frac{1}{2}$	"	"				
12	2	$\frac{1}{2}$	"	NW				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		By W	By E			Saturday June 26th 1869	
2	5		"	"				
3	6		"	"				
4	6		"	"				
5	6	$\frac{1}{2}$	By W	"				
6	6	$\frac{1}{2}$	"	"				
7	4		By W	"				
8	6		"	"				
9	6		"	"				
10	6		"	"				
11	6		"	"				
12	6		"	"				
1	6		"	"				
2	6		"	"				
3	7		"	"				
4	7		By W	"				
5	6		"	"				
6	6		"	"				
7	5	$\frac{1}{2}$	"	"				
8	5	$\frac{1}{2}$	"	"				
9	6		"	"				
10	6		"	"				
11	7		"	"				
12	7		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	5		SbyW			Sunday June 27 th 1867		
2	5		"					
3	8	$\frac{1}{2}$	SEbySE			These 24 hours commences		
4	9	$\frac{1}{2}$	"			with a moderate breeze &		
5	7		SEbyE			equally looking weather		
6	6		"					
7	3		"			At 3 30 P.M. a strong		
8	3		"			gale from S.W.		
9	3	$\frac{1}{2}$	S.W.			Stowed Royals & Top Gall		
10	3	$\frac{1}{2}$	"			sails, flying of pink Causjack		
11	3	$\frac{1}{2}$	"			Top Gall / Fly sail		
12	3	$\frac{1}{2}$	"					
1	2	$\frac{1}{2}$	S.W. by W. 4 W			At 3 P.M. Tacked Ship		
2	2	$\frac{1}{2}$	"			to S.W. heavy sea from		
3	3	$\frac{1}{2}$	"			S.W. & a light wind		
4	3	$\frac{1}{2}$	"					
5	3	$\frac{1}{2}$	W. by S			Lat by Obs 21° 54 south		
6	3	$\frac{1}{2}$	"					
7	3		"			Long by D.R. 35° 26 west		
8	3		"					
9	3	$\frac{1}{2}$	"					
10	3	$\frac{1}{2}$	"			At 2 a.m. the Top Gallant sails		
11	3	$\frac{1}{2}$	"			& flying for		
12	3	$\frac{1}{2}$	"					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3	$\frac{1}{2}$	S.W. by W. South			Monday June 28 th 1867		
2	3	$\frac{1}{2}$	"					
3	3	$\frac{1}{2}$	"			These 24 hours commences		
4	3	$\frac{1}{2}$	"			with a light breeze of wind		
5	3	$\frac{1}{2}$	"			& very light - it is too much		
6	4		S.W. by W. by E			make much headway		
7	4		"			Heavy Sea from the S.W.		
8	4		S.W. by S					
9	3	$\frac{1}{2}$	"			Let the main Royal & Top		
10	3	$\frac{1}{2}$	"			Gallant stay sail at 1 P.M.		
11	3	$\frac{1}{2}$	"			& Causjack		
12	3	$\frac{1}{2}$	"			Let fore & Mizzen Royal at 4		
1	3	$\frac{1}{2}$	S.W. by S	SE by E		P.M.		
2	3	$\frac{1}{2}$	"	"				
3	3	$\frac{1}{2}$	"	"		Ends with a light wind		
4	3	$\frac{1}{2}$	"	"		& pleasant weather two Barks		
5	3	$\frac{1}{2}$	S.W. by S	"		bound to the Northward this		
6	3	$\frac{1}{2}$	"	"		morning at 8 a.m.		
7	4		"	"				
8	4		"	"		Lat by Obs 22° 57 South		
9	3		S.W. by S	"		" " D.R. 22 57 "		
10	3		"	"		Long " " 36 57 west		
11	3		"	"		Chrs 37 18		
12	3		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from

Baltimore

towards

San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		<i>Hy</i>			<i>Tuesday June 29th 1869</i>		
2	3							
3	3							
4	3		<i>S. W. S. East.</i>			<i>These 24 hours commences</i>		
5	3					<i>with a very light breeze from</i>		
6	3					<i>the East.</i>		
7	3					<i>At 4 P. M. saw a Bark</i>		
8	3			<i>NE</i>		<i>brought to the Northward</i>		
9	3					<i>Exchanged signals with her</i>		
10	3					<i>but she being in the Rays of the</i>		
11	3					<i>sun could not make her out.</i>		
12	3							
1	3					<i>Middle. Lattin Port-light.</i>		
2	3					<i>Wind & Baffling clear weather</i>		
3	3			<i>East.</i>				
4	3					<i>Ends with a moderate</i>		
5	3					<i>breeze</i>		
6	3							
7	3					<i>Lat. by Obs 23° 52' south</i>		
8	3					<i>" " D.R. 23 55</i>		
9	3					<i>Long by Cmc 38° 00 west</i>		
10	3			<i>NE</i>				
11	4							
12	4	$\frac{1}{2}$						

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4	$\frac{1}{2}$	<i>S. W. S.</i>	<i>NE</i>		<i>Wednesday June 30th 1869</i>		
2	4	$\frac{1}{2}$						
3	4	$\frac{1}{2}$						
4	4	$\frac{1}{2}$				<i>These 24 hours commences</i>		
5	5					<i>with a very light wind at</i>		
6	5					<i>9 P. M. begins to breeze up</i>		
7	6					<i>Middle to Lattin Port-</i>		
8	8			<i>N. N. E.</i>		<i>strong wind</i>		
9	9							
10	10			<i>North</i>		<i>At 5 A. M. commenced to</i>		
11	10					<i>lighting in the West -</i>		
12	11					<i>showed main Mast</i>		
1	11	$\frac{1}{2}$				<i>Top Gall Sails got on in one</i>		
2	11	$\frac{1}{2}$				<i>spanker Cass back mainsail</i>		
3	11	$\frac{1}{2}$		<i>N. W.</i>		<i>shiny Gale at 7 let go Top</i>		
4	11	$\frac{1}{2}$				<i>Sail Hatches 7 & 40 set -</i>		
5	11					<i>up Top sails main sail spanker</i>		
6	10	$\frac{1}{2}$				<i>did not last as long as we</i>		
7	8					<i>Expected plenty of rain</i>		
8	5							
9	5					<i>Lat. by D. R. 26° 25' south</i>		
10	4		<i>South</i>	<i>N. S. W.</i>		<i>Long " " " 39° 22' west</i>		
11	5		<i>Hy E</i>	<i>Hy W</i>				
12	5							

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from

Baltimore

towards

San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	6		$\frac{1}{2}$ W	Wbpt		Thursday July 1st 1869		
2	6		"	"				
3	5	$\frac{1}{2}$	"	"		These 24 hours commences with		
4	5	$\frac{1}{2}$	"	"		a strong Gale from S.W.		
5	5		$\frac{1}{2}$ W			and a heavy sea		
6	4	$\frac{1}{2}$	Wbpt			Ship under close Reefed Top		
7	4		"			sails & foresail		
8	3		"			at 10 set the spanker to		
9	7		$\frac{3}{4}$ W			keep her up to the wind		
10	4		"			at 7 A.M. set a Reefed fore		
11	3		"			& main Top sail		
12	4		$\frac{1}{2}$ S			At 10 A.M. set a Reefed		
1	4		"			main sail & Mizzen Top sail		
2	4		"			& main Top mast stay sail		
3	3		"			blowing quite strong some		
4	3		South			times & there is not so heavy		
5	3		$\frac{1}{2}$ W	Wbpt		squalls now dying out		
6	3		"	"				
7	4		"	"		Lat by Obs 27.34 South		
8	4		"	"				
9	4		"	"		Long by D.R. 38.50 West		
10	4		"	"				
11	4	$\frac{1}{2}$	"	"		Passed a Bark on Port Tack at		
12	4	$\frac{1}{2}$	South	"		3.40 Disposed of Lee Gaaster		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Long. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	4	$\frac{1}{2}$	$\frac{1}{2}$ W	Wbpt		Friday July 2nd 1869		
2	4	$\frac{1}{2}$	"	"				
3	4	$\frac{1}{2}$	"	"		This day begins with heavy		
4	4	$\frac{1}{2}$	"	"		Rain Squalls & a heavy sea		
5	5		$\frac{1}{2}$ S			from S.W. do not make		
6	5		"			much head way hope we shall		
7	4	$\frac{1}{2}$	$\frac{1}{2}$ S			have a fair wind soon		
8	4	$\frac{1}{2}$	"					
9	4	$\frac{1}{2}$	$\frac{1}{2}$ S			Middle & Latter Part		
10	4	$\frac{1}{2}$	"			Still squally at 10.20 let		
11	4	$\frac{1}{2}$	South			go the Top sail halliards		
12	4	$\frac{1}{2}$	"			& let them hang on the cap		
1	4	$\frac{1}{2}$	$\frac{1}{2}$ S			Lat by D.R. 28.52 South		
2	4	"	"					
3	4	"	"			Long by " 37.58 West		
4	4	"	"					
5	4	"	"					
6	4	"	South					
7	4	"	"					
8	4	"	$\frac{1}{2}$ W					
9	4	"	"					
10	4	"	$\frac{1}{2}$ S					
11	4	"	"					
12	4	"	"					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Long. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Saturday July 3 rd 1869		
2						These 24 hours commences with a		
3						light wind from S.W. and a heavy sea on a few rain squalls		
4						during the night. at 6 A.M. Tacked Ship to S.W.		
5						Set the three upper Top sails & during the forenoon		
6						set the three Top Gallant sails. Hove up the head ear-		
7						of the Main Lower Topsail & the Ship a slotting the		
8						guts out of a fellow the upper Top sail flap flap &c		
9						Lat. 29 52 S. Long 37 40		
10						Sunday July 4 th 1869		
11						These 24 hours commences with		
12						a fair light wind from the S.E. & a large sea from the		
1						S.W. at 8 P.M. wind hauled a little to the Eastward		
2						way S.E. at 10 checked in the yards a little wind backing		
3						from S.E. to S.W. strong breeze at 12.30 am.		
4						Stowed the Top Gallant sails fore & mizen & out-		
5						rig. Cross Jack. abed spanker, at 5 a.m. my		
6						watch I set the spanker a Top Gallant sails		
7						They are a parcel of old women in company with		
8						Lucas with a strong breeze		
9						Lat. by Obs 31 25		
10						Long. Obs 37 17		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Monday July 5 th This day begins with a strong		
2						breeze & fine weather with the exception of a few		
3						passing clouds Breeze leads Ship sailing 9 1/2 knots		
4						Wind about East some times S.W.		
5						Middle Part of the night wind N.E. and		
6						strong. Cross Jack with a strong wind & haze		
7						Lat. by Obs 34 53 South Long 42 09		
8						Tuesday July 6 th 1869		
9						This day begins with a strong		
10						wind from the N.E. right - left sailing 10 knots		
11						weather looking thick hope it will last -		
12						fore a 10 days or so it will help as on conse-		
1						derable at 5 P.M. took in the main Royal at -		
2						Reefed Top sails (close Reefed) at 11 P.M. Stowed		
3						Mizen lower Topsail & mizen hawking from N		
4						to S.W. at 2 am set mizen lower Top sail		
5						wind. S.W. head wind a gain at 7 am set		
6						Spanker & main Top sail at 10 am set shrouk		
7						out double Reef Top sail & set the & main sail		
8						Main Topmast staysail End fine weather		
9						Lat. by Obs 36 31 S. Long 43 36		
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from *Baltimore* towards *San Francisco*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1						<i>Wednesday July 7th 1869</i>		
2								
3						<i>This day begins with</i>		
4						<i>a moderate breeze & fine weather. Same sea</i>		
5						<i>on get ship heading South - wind WSW</i>		
6						<i>of middle Part. Moderate breeze Sea does not</i>		
7						<i>seem to want to go down at 7 AM set</i>		
8						<i>fire & Mizen Topsail Main Top Gallant sails</i>		
9						<i>Ship come up to her course sea getting to</i>		
10						<i>be larger dead a head strong breeze</i>		
11						<i>Lat at noon 37° 00' Long 43° 44' W</i>		

12						<i>Thursday July 8th 1869</i>		
1						<i>Commences with a strong wind</i>		
2						<i>from the N.W. & a heavy sea a head Lat</i>		
3						<i>12.30 PM took in the Main Top Gallant</i>		
4						<i>sail at 2 PM Recked Topsails</i>		
5						<i>strong wind during the night and all the his</i>		
6						<i>forenoon Ends with pleasant weather but a</i>		
7						<i>very bad head sea ship does not get over</i>		
8						<i>the work fast enough</i>		
9						<i>Lat by Obs 43° 36' Lon</i>		
10						<i>by 46°</i>		
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1						<i>Friday June 8th 1869</i>		
2								
3						<i>Strong wind & a heavy head sea</i>		
4						<i>still increasing at 4 PM stowed mainsail</i>		
5						<i>inner 1/2. Recked Topsails close Reef &</i>		
6						<i>fore sail water comes over</i>		
7						<i>the ship at all parts (bars falling)</i>		
8						<i>at 7.30 furl fore Topsail at 10 PM furl</i>		
9						<i>Main Top sail & Mizen lower Topsail & have the</i>		
10						<i>ship ho, heavy sea running strong wind with passing</i>		
11						<i>Rain squalls at 2 AM set - the Spanken Recked</i>		
12						<i>Ends with squally weather & strong sea Rainy</i>		
1						<i>Lat by obs 39° 39' Long 46° 25'</i>		

2						<i>Saturday July 9th 1869</i>		
3								
4						<i>This day begins with a strong wind</i>		
5						<i>& a heavy head sea. from N.W. by W. wind W by N</i>		
6						<i>at 4 PM wind S.W. to S.W. at - mid night</i>		
7						<i>a light wind with frequent showers of Rain</i>		
8						<i>Woke ship to the West at 6 AM found that the</i>		
9						<i>Passall lashing of the fore lower Topsail had broken</i>		
10						<i>seen all the day Repairing it with light</i>		
11						<i>Lat by Obs 39° 58' Long 46°</i>		
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Sunday July 11 th 1869		
2						This day begins with a		
3						light air from the N. W. with		
4						lower yard finished at 4 P.M. which is		
5						salvage after noon cruise time		
6						Set upper topsail squally & nasty weather		
7						Ship Rolling about 8		
8						Lat. by D.R. 41° 51'		
9						Long 47°		
10						Monday July 12 th 1869		
11						This day begins with strong		
12						gale from the S. W. & continues all of		
1						day thin moderated a little set fore & main		
2						topsail double Reefed & Reefed spanker & foresail		
3						Lat at noon 40° 56' Long 47° 41'		
4						4° 57'		
5						Tuesday July 13 th 1869		
6						This day begins with a strong		
7						wind or Gale at 2 P.M. Dressed the topsails		
8						at 4 furlled foresail & spanker and wore ship		
9						iron. Gale with Rain squalls all the 24 hours		
10						at 10 A.M. set main upper topsail & foresail		
11						Reefed Lat at noon 40° 49' Long 47° 41'		
12						41° 9' 48° 50'		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Wednesday July 14 th 1869		
2						This day begins with a strong		
3						Gale from the West furlled the upper main top.		
4						sail at 2.30 P.M. Barometer falling at 4 P.M.		
5						on a stand weather looking fine by sunset clear		
6						to night for the first time for a number of days		
7						Ends with Rain weather		
8						Lat by Obs 41° 38' Long 49° 32'		
9						Thursday July 15 th 1869		
10						This day begins with a light wind		
11						from the South to S.W. with Basting all the Span.		
12						& fore & main topsail main topsail main top mast		
1						topsail top at 8 A.M. set top Gallant sails fore &		
2						main wind South fresh breeze		
3						Lat by Obs 42° 20' Long 51° 51'		
4						Friday July 16 th 1869		
5						This day begins with a strong Gale		
6						from the S.W. at 12 P.M. set Reefed the		
7						top sails single Reef at times it is moderate then		
8						again heavy squalls at 10 P.M. set the main topsail		
9						pretty cold weather now sent down the spars of the fore		
10						low topsail yard made a new one		
11						Lat by Obs 41° 57' Long 51° 51'		
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from

Baltimore

towards

San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1	Saturday July 17 th 1869							
2	This day begins with							
3	a strong wind with squalls							
4	Ends with light squalls think this wind							
5	is about done Barometer 30.70							
6	Lat by Obs 41° 49' Long by C 56° 02'							
7								

8	Sunday July 18 th 1869							
9	This day begins with light							
10	winds few light squalls wind from S.W.							
11	to W.W. Lat. 49 P.M. dead Calm							
12	11.30 breeze sprung up from the West Tacked							
1	Ship to S.W. at 2 set Main Top Gall Sails							
2	at 6 A.M. my watch on deck set fore & mizzen							
3	Top Gall Sails flying & 16 Main Royal							
4	turned Reel out of Main sail Ship sailing							
5	9 knots Course S.W. by S Lat by Obs 42° 10' Long 56° 22'							
6								
7								

8	Monday July 19 th 1869							
9	This day begins with a strong							
10	Gale from the N.W. at 12.15 Stowed Main Royal							
11	Fore Mizzen & Main Top Gall Sails out & 16							
12	Spanker Course S.W. by W at 5.30 Reefed Top Sails							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1	furled the mainsail Strong Gale							
2	middle Part Running Scatter Part moderate breeze							
3	to fine weather Lat by Obs 44° 21' Long 58° 30' west.							
4								

5	Tuesday July 20 th 1869							
6	This day begins with a light wind							
7	from the Westward set the Mainsail main Top Mast							
8	Stay Sails at 1 P.M. Barometer 29.50							
9	at 8 P.M. set Mizzen Top sail & Spanker at							
10	1 A.M. turned Reel out of Top sails at 9 P.M.							
11	set Main Top Gall Sails & unbutton the fore Sails &							
12	bent a new one a pleasant night we have not had							
1	since we left Baltimore Ends Pleasant							
2	Lat by Obs 45° 58' South Long 60° 41' west							
3								
4								

5	Wednesday July 21 st 1869							
6	This day begins with a fresh							
7	breeze & pleasant & quite warm at 4 P.M.							
8	breeze sharp up at 7.30 Reefed main sail & mizzen							
9	Top Sails wind during the night S.W.							
10	Lat at noon 47. 17 Long 62° or west							
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from *Baltimore* towards *San Francisco*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Thursday July 22nd 1869
 2 This day begins with
 3 a light wind from the westward. Fine weather
 4 Thermometer very low breeze freshening up at 7:40
 5 furlled the main sail & hauled in the yards
 6 at 8 P.M. furlled the main fore & mizen
 7 top Gall Sails. Job of Spanker Pleasant
 8 all night. at 8 A.M. Let main top mast
 9 stay sail & main sail brace hauling a head
 10 & never see such a fair man to carry sail
 11 as Capt. Patton he does not deserve a fair
 12 wind at all when he has the top Gall Sails
 1 furlled he ought to have Scudding sails on his
 2 all sail. Getting old & carefull Lat. 48 54
 3 at 5 P.M. Lat by Obs 48 54 Long 62 47
 4 Lat by Obs 49 12 62 00 west Long

6 Friday July 23rd 1869
 7 This day begins with squally weather
 8 at 5 P.M. furlled main sail Spanker, Job & Rees
 9 top sails then backed ship to the west some rain clearing
 10 in the night at 8 P.M. Let main top sail & fore top sail
 11 Spanker & Job 71 30 Backed to South
 12 Lat by 48 51 62 47

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
				48.54	48.51			62.47	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Saturday July 24th 1869
 2 This day begins with a fresh breeze
 3 from the NW Let the main top mast stay sail furlled
 4 out the reef of the main sail & main & fore top sails
 5 sail & hauled in the night at 4 A.M. Backed ship
 6 to the S.W. but the ship broke off to West Wind. S.P.M.
 7 Very pleasant morning quite warm for these latitudes
 8 at 7.30 turned out of Reef of mizen top sail
 9 Ends with a light breeze from N.W. Backed ship at
 10 noon to S.W. Lat by Obs 49 33. Long 62 49 west
 11
 12

1 Sunday July 25th 1869
 2 This day commences with a light
 3 breeze & pleasant weather Lat 49 33. Let the main top
 4 Gall sail at 4 P.M. Let the fore top Gall sail
 5 Strong wind West at 8 fresh Gale from W.N.W.
 6 Very pleasant weather and the water smooth
 7 Lat at noon D R 52.9 Lat Long 65 54 west
 8
 9

10 Monday July 26th 1869
 11 This day begins with a light head wind at 2 P.M.
 12 furlled fore top Gall sail during the night. Light air from N.W. at 3
 13 P.M. at 3.30 breezed round. Same strong wind from the East went
 14 53 - 45 63 47

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from *Bahia* towards *San Francisco*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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Tuesday July 27th 1869

This day commences with a fresh breeze from the Eastward. Baffling at 2 P.M. stowed the M & S Gall Sails at 2.20 P.M. Made the Land to the Northward & West of the Straits of Les Meires. At 4 P.M. Tacked Ship to NNE. Weather partly cold passing snow squalls water very smooth. At 12 Midnight Wore Ship to South. At 1 A.M. saw a Bark on the N. W. by the foremast Tack to Windward of us at 8 A.M. Tacked Ship to East Land we made yesterday about 16 miles dis. at noon Recked Top Sails blowing a fresh Gale Lat DR 54-41 Long 65 40 west

Wednesday July 28th 1869

This day begins with a fresh Gale from the S.E. by Compass North true at frequent snow squalls. At 4 P.M. furlled Top sails Main & Spanker & hauled up the fore Sails snug & hoisted by Strong Gale smooth water being under the land. Snow squalls all night at 8 P.M. stowed mizen lower Top sail at 12 midnight large sea Strong Gale Strong Lat at noon Obs 53° 53' by DR 53 53 Long by DR 64 29

at 9 am set Main Spencer & Recked spanker

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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Thursday July 29th 1869

This day begins with a Strong Gale from the South by Compass S.W. true all night Squally Snow & Hail at 8 P.M. Wore Ship to S.W. 6 points Lee way 2 points Variation making N.W. course cant get to Southward at all making 2 P.M. on the other Tack at 10 am set mizen lower Top sail & foresail frequent snow squalls Wind increasing a gain

Lat at noon by DR 53 41 Long DR 63 53 west

Friday July 30th 1869

This day begins with fresh Gale with snow & hail quite a heavy sea from the S.E. Wind from SE to South light wind all night. Set fore & main Top sails mizen Recked Main sail single Recked main top mast & top Sails at 2 A.M. at 7 A.M. hauled out one Reef in Top sails set mizen Top sail Recked hauled out Reef in the Spanker set at 10 am mizen top at 10 am Tacked Ship to S.E. 1/2 E hauled out the single Reef in Top sails & set the all at main & fore Top Gall Sails. Wind South very light

Lat at noon by Obs 53. 46. Long by Obs 64 59 west
DR 53. 04 Lat. by DR 64 59 the same

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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Cape Horn Of Cape St. John's 31st 1869 calm an
 the 2nd JOURNAL, from Baltimore towards San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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84th day 1 Saturday July 31st 1869
 2 This day begins with a fresh breeze
 3 with a few spits of rain sea gone down is now very smooth
 4 at 3.25 P.M. made Staten Land at 5 Novelt for
 5 main top Gallant sails hauled up the mainsail at 7.30
 6 lowered down the topsails on the cap wind fore
 7 at 12.30 A.M. made the land again 4 1/2 points on the
 8 lee bow in my watch this is the third time I have made
 9 the land in my watch this is Staten Land set for main
 10 top sails main top Ball sail at 9 A.M. was off the
 11 Cape St. John's most eastern land on the island then
 12 was becalmed see a bark still forth in the east of SE
 1 becalmed bound home at 9

Lat at 54° 50' Long 63° 37'

85 Sunday Aug. 1st 1869

1 This day begins with a light Breeze and
 2 we are about 3 miles from the shore at 2.30 P.M. the
 3 Ship Enock Train came down by the cape with about
 4 an eight knot breeze but she soon got becalmed as we
 5 light breeze then calm all night at 9 A.M. we are in a boat
 6 the same place we were yesterday at 9 A.M. all sail set
 7 calm most of the forenoon

Lat 54° 56' Long 63° 37'

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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86 Day 1 Monday Aug 2nd 1869
 2 This day begins with a light breeze
 3 from the N.W. at 4 P.M. winds W.W. off the land
 4 still breezing up at 7 knot breeze we are now 140 miles
 5 from Cape Horn strong wind all night some time 10 knot
 6 breeze all sail set excepting the main Royal piece clear
 7 weather & the water just as smooth as it is in the Ken-
 8 nebec River at 1.30 a boat at 6 lost sight of Staten
 9 land and at 8.30 A.M. next morning made Cape Horn
 10 a splendid run with a fair wind Lat by Obs 56° 44' Long 67° 7'

87 Tuesday Aug 3rd 1869

1 This day begins with a fresh breeze from
 2 N.W. smooth water & very pleasant & quite warm
 3 at 9 P.M. wind hauled a head getting out by the land
 4 to Westward a sea begins to roll from the S.W. slowed the
 5 flying Gib & brigger top Gallant sail at 10 P.M. stowed
 6 fore & main top Ball sails Reefed brigger topsail & hauled
 7 up the main sail at 11.30 P.M. called the watch Reefed topsail
 8 & closed Reefed mainsail

Lat at horn 57° 29' Long 70. 37 west

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from *Baltimore* towards *San Francisco*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Wednesday Aug 4th 1869
2 This day begins with a strong
3 wind & sea from the West-N.W. at 4 P.M. close Reefed Main
4 sail & furlled it & main top sail Reefed foresail furlled fore
5 upper top sail Reefed Mizen top sail shaked Spanker &
6 main top mast. Hoisted under 3 lower top sails close Reefed
7 main & mizen top sail & Reefed foresail & fore top mast
8 stay sail. Scared it is a shame pretty soon comes a
9 long ship at 7.30 P.M. with her three Courses & all sail
10 set excepting Mizen top Gall sail main top at & flying
11 jib. she went by us all flying and so close you
12 could heave a stone a board of her the Capt. did not hard
1 know what to say at that during the night set
2 spanker Reefed Spencer foresail & Reefed main sail fore
3 top sail main top mast stay sail, at 10 am wind
4 hauled to W by S. Stowed the main sail at 11.30 were ship
5 88 deg 5 N N W Lat by Obs 58° 2 Lat by DR 58.2 Long by DR 72.56
6 Long by Cha 72.45

7 Thursday Aug 5th 1869
8 This day begins with a strong breeze
9 from the west with rain squalls wind dying out at
10 2 P.M. set main top sail single Reef & fore top sail close Reefed & main sail
11 close Reefed at 3 P.M. set turned out Reefs in main & fore top sails set
12 them one Reef out of main sail jib at 6 P.M. turned out Reef of mizen

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 top sail & Spanker set then & main top Gall sail & 8 P.M. set main
2 Spencer wind light N.W. by N. East last 4 hours fresh breeze
3 Lat by DR 57.43 South Long by DR 73° 23 west
4

5 Friday Aug 6th 1869
6 This day begins with a fresh breeze from
7 the N.W. at 2 P.M. Stowed the main top Gall sail
8 at 4 P.M. single Reefed top sails Raining all the afternoon
9 it is quite moderate now. Barometer falling all the time thick
10 with a drizzling rain through the night in the morning heavy
11 sea from the N.E. by N. a Gall of wind some where wind hear
12 N.E. Barometer 28° 88 at noon

1 Lat by DR 57 26 Long by DR 76° 46

2
3 Saturday Aug 7th 1869
4 This day begins with a fresh breeze
5 from the N.E. heavy sea or swell from N.E. by N. drizzling rain
6 at 4 P.M. furlled fore main sail jib main top mast stay
7 sail & Spanker old man scared (again) chad, all night some
8 rain, at 11 P.M. wind hauled round to S.E. 6.58 E
9 at 2 A.M. hauled to West at 8 am set Spanker
10 main top stay sail main Spencer very light

11 Lat by DR 56 13. by Obs 56 12 Long by DR 78. Chu 77 28

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Sunday Saturday Aug 8th / 1869

2 This day begins with a light breeze from the West with Rhin's squall
3 at 10 P.M. Tacked Ship to WSW at 10 P.M. set main top
4 Gall Sail & Gib at 2.30 P.M. Strong Wind with rain shower
5 H. I. Gall Sail at 10.30 A.M. turned out Reef in jigger
6 & op sail wind light heavy swell from the North
7
8 Lat. by DR 55.29 Long DR 79.22

9 Monday Aug 9th / 1869

10 This day begins with a light wind & Pleasant
11 light breeze till 8 A.M. then it was calm till 11. Tacked
12 Ship to WSW at 6 P.M. before tacked to N.W. at noon
1 Lat. DR. 54.56. Obs 54.58. Long DR. 82.26

2 Tuesday Aug 10th / 1869

3 This day begins with a fresh breeze
4 from the N.W. at 5 P.M. shifted the main top Gall Sail
5 at 10 P.M. Wind hauled to W by N and stood till 8 am
6 Reeled in jigger top sail. Stowed Gib morning at 8 set Gib
7 Squally looking weather
8 Lat DR 54.17. Lat by Obs 54.33. Long 82.16 DR
9 Tacked ship at 8 am

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Wednesday Aug 11 / 1869

2 This day begins with strong wind
3 from the West. Rain & hail squalls. Reeled main top sail
4 & set Reel for top sail stowed the Gib main top & again
5 Reel. Sprinkler & light breeze all night some rain.
6 at 4 A.M. wore Ship to West. at 9 A.M. set
7 main sail turned out of fore sail set main top main
8 top sail main Spencer Ends with much Rain wind
9 WSW. Lat by DR 54.3. Lat by Obs 53.52 Long 82.16

10 Thursday Aug 12th / 1869

11 This day begins with light wind and
12 a plenty of Rain wind WSW at 2 P.M. Wind WSW.
1 been snowing but is now clearing up. Barometer very low 28.70
2 at 5 P.M. Wind SW wore Ship to WSW. Jostled main
3 sail. Strong breeze all these 24 hours at 7.30 A.M. set
4 main sail. Lat by Obs 52.33 by DR 52.38 Long 82.57 west

5 Friday Aug 13 / 1869

6 This day begins with strong breeze at 1 P.M.
7 set main top main. Reeled in & Gib turned out one Reef of
8 main & fore top sails & jigger top sail at 4 P.M. Wind very light
9 at 9 P.M. turned out single Reef of top sails, light wind

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from *Baltimore* towards *San Francisco* 1869

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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97 day

1 at 2 A.M. set Top Gall Sails. at 8 am Main Royal Wind
2 South very light. This is a very Pleasant day heavy swell from
3 the S.W. 10 A.M. Wind S.E.
4 Lat by D.R. $51^{\circ} 21'$ Long by D.R. $83^{\circ} 21'$ west

5
6 *Saturday Aug 14th 1869*

7 This day begins with a light breeze from
8 the S.W. all sail set at 8 P.M. strong wind
9 10 knot breeze at 5 A.M. stowed Main Royal at 9 A.M.
10 stowed the three Top Gall Sails & Mizen Top Sail
11 at 12 noon furl'd mainsail close Reefed Topsails or
12 furl'd up all the same thing & stowed Mizen lower
1 Top sail running under two lower Top sheets & fore
2 sail

98

3 Lat by D.R. 49° ^{North} _{South} Long by D.R. $85^{\circ} 10'$ west

4
5 *Sunday Aug 15th 1869*

6 This day begins with a strong Gale
7 from the S.E. & a heavy sea running ship very wet
8 Put two hawsers over the Stern to break off the sea to
9 at 10 light wind sea gone down hawled hawsers in
10 at 3 P.M. set fore sail & single Reef Topsail main at 5 am
11 furl'd out both Reef in fore & main Topsail set them & Mizen
12 lower Topsail wind S.E. at 9 am set main Top Gall Sails

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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99

1 Main Royal Main Sail Mizen Topsail heavy night
2 wise light wind 5 knots
3 Lat by D.R. $47^{\circ} 22'$ South Long by D.R. $88^{\circ} 07'$ west

4
5 *Monday Aug 16th 1869*

6 This day begins with a light breeze
7 from the S.E. Course N.W. by N. at 11 P.M. wind hawled
8 to the S.W. stowed the main Royal strong breeze the
9 rest of this 24 hours 29
10 Lat by D.R. $45^{\circ} 29'$ Long by D.R. $89^{\circ} 37'$ Lat by Obs. 4
11

100

12 *Tuesday Aug 17th 1869*

1 This day begins with a strong wind from the
2 S.W. with light rain & squalls middle part light squalls
3 at 7 A.M. set fore & Mizen Top Gall Sails & other furl'd
4 at 8 A.M. bent the Cross Jack & set it & main Royal
5 Ends with fresh breeze from the West & Pleasant weather
6 Lat by D.R. $43^{\circ} 19'$ Long by D.R. $90^{\circ} 33'$ west

101

7
8 *Wednesday Aug 18th 1869*

9 This day begins with a fresh breeze from the
10 West & very Pleasant weather at 12 midnight W.N.W. & a very
11 strong wind stowed the main Royal
12

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Fore & Mizen Top Gall Sails & Outer Jib Pleasant
 2 weather with passing clouds. at 8 A.M. Tacked Ship
 3 to S.W. 10 A.M. Followed the Main Top Gall Sail
 102 Day 4 Lat by Obs 41° 2' Long by D.R. 90° 13' West
 5
 6 Thursday Aug 19th 1869

7 This day begins with a strong wind
 8 from the W.N.W. at 12.30 Tacked the Cross Jack &
 9 Reefed Mizen Top sail Fore & Main Topsails Strong wind
 10 at 1 P.M. Hoisted Main Sail Inner Jib main Top. Had Sail
 11 & closed Reefed Fore Top Sail & thick weather all most
 12 rain at 18 A.M. close Reefed Main Topsail heavy swell
 1 from the S.W. wind still W.N.W.
 103 Day 2 Lat by D.R. 42.00 Long 91° 17' West
 3
 4 Friday Aug 20th 1869

5 This day begins with a Strong Gale
 6 from the W.N.W. at 1 P.M. Hoisted upper Top Sails
 7 & Spanker at 4 P.M. Reefed Fore Sail before we got
 8 down it was a fast fresh Calm then it sprang up
 9 from the S.W. wore Ship's middle & latter Part Strong
 10 Gale with passing rain squalls heavy swell from the S.W. Ship
 11 Rolling nearly deck's full of water. Upper Top sails doubled Reefed
 12

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Single Reefed Main Sail
 104 Day 2 Lat by D.R. 40° 36' Long 92°
 3
 4 Saturday Aug 21st 1869

5 This day begins with a strong Gale
 6 from the S.W. heavy sea from the S.W. ship very wet
 7 at 10 P.M. commenced to rain. & 2 A.M. turned out one
 8 Reef of the Main & Fore Top sails set thin & a Reefed spanker
 9 Sails taken sick yesterday morning coming to the ship of
 10 handles very sick the Capt standing my watch whilst this
 11 morning at 4 P.M. went on deck at 7 A.M. set Main Sail
 12 Reefed Mizen Topsail & Jib at 10 A.M. turned out single
 1 Reef of Main & Fore Topsails set Cross Jack
 105 Day 2 Lat at noon by Obs 38° 41' South Long 93° 13' West
 3
 4 Sunday Aug 22nd 1869

5 This day begins with a strong breeze
 6 from S.W. to S.S.W. at 2 P.M. turned out Reef of Mizen Top Sail
 7 set Main Top Gall Sail. a few light passing squalls at 4 P.M.
 8 the Fore Top Gall Sail & outer Jib course W.N.W. middle Part
 9 moderate Gale. 10 P.M. carried a way Main Top Gall & last
 10 latter Part. Squally ends with fine weather wind hauled
 11 to S.E. Hoisted Jib outer Jib Main Top mas staysail cross Jack
 12 Lat by Obs 35° 33' Long 95°

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from *Baltimore* towards *San Francisco*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 *Monday Aug 23rd 1869*
2 This day begins with a moderate
3 breeze & fine weather, at 5 P.M. wind hauled to the
4 S.E. hoisted up mainsail squared the yards, 11 P.M. set
5 the main Royal. I think this is the Trade Winds
6 been repairing the Fore Top Gall Sail set the Studding
7 Sails this morning
8 Lat by Obs 33° 8. Lat by D.R. 33° 10. Long by D.R. 98° 18

10 *Tuesday Aug 24th 1869*
11 This day begins with a strong breeze from
12 the S.E. & very pleasant & warm weather ambient. The main
1 Spencer doubt think we shall want it again very soon
2 Middle & Letter Part strong winds 9 knot breeze ends
3 with fine weather been getting up coals for the cook & sending
4 the other Studding Sails &c
5 Lat by D.R. 30 23° Lat by Obs 30° 26. Long by D.R. 100° 42

7 *Wednesday Aug 25th 1869*
8 This day commences with a fresh breeze
9 & fine weather. Middle & Letter Part. Rain squalls
10 Bore of the Fore & Mizen Royal over sent up the yards still
11 equally
12 Lat by D.R. 27° 48 Long by D.R. 103° 10 west

Course.	Distance.	Diff. of Lat.	Departure.	Lat by D.R.	Lat. by Ob.	Variation.	Diff. of Long.	Lon. In.	Lon. by Ob.
NW 1/4 N	206	166	125	27° 48					

1 *Thursday Aug 26 1869*
2 This day begins with a fresh breeze
3 with heavy rain squalls sent up the set the Fore & Mizen
4 Royals. Middle & Letter Part wind from SE to East. Cloudy weather
5 Ends with a fresh breeze from the E. S. & fine weather
6 Lat by D.R. 24° 59' S. Diff of Lat 206. Dep 126 Course NW 1/4 N. Dis 211 Long 105° 42

8 *Friday Aug 27th 1869*
9 This day begins with a strong breeze from E. S.
10 & pleasant weather at noon set the cross back. Repairing our old
11 fore sail all sail set. Middle Part & Letter Conch some rain
12 all sail set. Wind from E. S. to S.E. Ends pleasant
1 Course NW 1/4 N. Dis 220 Diff of Lat 207 Dep 74 Lat by D.R. 21° 35. Obs 21° 39 Long
2 Long 107° 13 West

3 *Saturday Aug 28th 1869*
4 This day begins with strong wind from the E. S.
5 and pleasant weather were repairing old sails strong wind all
6 night - 10 1/2 knots wind from E. S. to E. N. E. bent the main top
7 Gall staysail ends fine weather Lat D.R. 18.09
8 Course NW 1/4 N. Dis 234 Lat by Obs 18.18. Long D.R. 109° 00 West

10 *Sunday Aug 29th 1869*
11 This day commences with a strong wind from the

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			E. N. E. to N. E. Middle & Letter Part strong breeze & Pleasant					
2			Ends with fresh breeze 8 a.m. W. N. E. set Letter Part & M. S. sail					
3			Course N. N. W. Dis 225					
4			Leat by Obs 14.40 Long D. R. 110.30 Lat D. R. 14.40					
5			Monday Aug 30 th 1869					
6			This day begins with a fresh breeze 8 a.m. & Part of					
7			Pleasant weather. Wind about E. N. E. all sail set Middle Part					
8			fresh breeze Letter Part light breeze the wind backing from					
9			N. E. to E. S. E. Ends with a fresh breeze from the East & Pleasant					
10			Course N. by N. 3/4 W. Dis 172 Lat by D. R. 11.58 Long D. R. 111.30					
11			Bent the main Royal Staysail					
12			Tuesday Aug 31 st 1869					
1			This day begins with a fresh breeze from					
2			the East & Pleasant weather seen over hauling the windlass					
3			& painting it & such like work Middle Part fresh breeze but					
4			backing Letter Part wind hauling to the Northward a bit					
5			N. E. Ends fresh breeze & Pleasant all sail set setting up					
6			the top mast rigging fore & main & scraping iron & painting					
7			it Course N. E. by N. 3/4 W. true Dis 180 Lat by D. R. 12.18 Long 112.31					
8								
9			Wednesday Sept 1 st 1869					
10			This day begins with a fresh breeze from the					
11			N. E. & Pleasant weather Middle Part light wind to					
12								

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			setting all sail set set up the Reizen top Mast Rigging					
2			this forenoon scraping iron rolling down fore & main top R.					
3			4 etc Course N. by N. 3/4 W. Dis 172 Lat by Obs 6.20 Long by Chron 114.12					
4								
5			Thursday Sept 2 nd 1869					
6			This day begins with a fresh breeze from					
7			the E. N. E. Middle & Letter Part fresh breeze ends fine					
8			Course N. by N. 3/4 W. Dis 188 Lat D. R. 3.21 by Obs 3.30 Long 114.57 West					
9								
10			Friday Sept 3 rd 1869					
11			This day begins with a light breeze from					
12			the E. N. E. rolling down top Mast rigging painting iron					
1			& furring the edges of the rigging & Middle & Letter Part					
2			light breeze Lat by Chron 114.12 by Obs 1.06 S Long D. R. 115.30					
3			Course N. by N. 3/4 W. Dis 152 Lat by D. R. 1.06 S Long D. R. 115.30					
4								
5			Saturday Sept 4 th 1869					
6			This day begins with a fresh breeze from					
7			the N. E. & Pleasant at work setting top Mast R. furring painting iron					
8			on Middle & Letter Part light breeze set up the main Letter					
9			rigging sewing it & c. Ends fine weather					
10			Lat 43. North Long by D. R. 115.41 West Obs					
11			Course N. by N. Dis 106					
12								

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from

Baltimore

towards

San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Sunday Sept 5th 1869

2 This day begins with a light breeze from
3 the S by E. at work at the Main Rigging - Huddle & Scatter
4 light breeze of 3 by E to S by W at 8 P.M. set studding sails
5 on both sides ends with a fresh breeze & pleasant with Ray clouds
6 Course N by W Dis 121 Lat by DR 2.40 by Obs 2° 36' N. Long DR 115. 53. Obs 117. 56
7 There must have been a strong current to the westward the last
8 two days

9 Monday Sept 6th 1869

10 This day begins with a fresh breeze from the
11 S by E. & pleasant Huddle & Scatter Part Cloudy some rain
12 Cleared up soon for work in the between decks end of boat
1 Course N by W Dis 140 Lat by Obs 4° 56' N. Long DR 116. 3. 118

3 Tuesday Sept 7th 1869

4 This day begins with a fresh breeze from the South
5 Set up the Main Rigging this afternoon pleasant weather
6 with plenty of passing clouds & very hot the sun not being
7 but 2° North of us. Huddle & Scatter Part Pleasant & clear
8 Good top mast & Gall Pack stays rather hazy in the
9 Course North Dis 141 Lat 7. 16 Long 116 West DR. Obs 118. 14. West

11 Wednesday Sept 8th 1869

Course.	Distance.	Diff. of Lat.	Departure.	Lat by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 This day begins with a fresh breeze from the South
2 & pleasant at work at the Rigging Huddle & Scatter Part
3 fresh breeze & pleasant at work Pulling down rigging
4 Course N by W Compes var 7° Dis 118 Lat 9. 14 Lat by DR 115. 53 Obs 117. 34
5 Thursday Sept 9th 1869 a strong current to the west 30 or 40

6 This day begins with a strong wind hawling from South
7 to West Lat 4 P.M. squally looking weather at work at the
8 rigging Huddle & Scatter Part Rain hard ends pleasant but
9 squally looking clouds at work at the Rigging
10 Course N by W Dis 173 Lat 12. 20 Long 116. 14 DR Obs 117. 34

12 Friday Sept 10th 1869

1 This day begins with a heavy rain squall
2 or shower catching up at the watch Huddle & Scatter Part
3 clear & pleasant Wind West at 8 am hauled to N.W. then
4 hauled back to W by S. when all the rest of this day at work
5 Raising down & painting iron work
6 Course N by W Dis 191 Lat 13. 53 Long 116. 16 West

8 Saturday Sept 11th 1869

9 This day begins with a light breeze from the West
10 & clear & very hot at work in Rigging Huddle & Scatter Part fresh breeze
11 Course N by W Dis 136 Lat 16° 59' N. by Obs 16° 3' N. Long 116. 43 West

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Sunday Sept 12 th 1869								
2			This day begins with a fresh breeze from the								
3			q. very cloudy, looking like rain very hot at work at the								
4			raging little rain Middle & latter Part fresh breeze heavy								
5			from the North ship picking heavily at 10.30 slowed & luffed								
6			at 3.30. Mr. Steward fore Royal main Royal Stag sail Main top gall								
7			sail at 6.00 main Royal ends strong breeze & cloudy								
8			Course N. by E. Dis 23 Lat 18° 26' N Long 116° 42' West								
9											
10			Monday Sept 13 th 1869								
11			This day begins with a strong breeze from the								
12			N. by E. & a large sea from the North ship diving bows under								
1			at 3.30. Slowed & luffed Main top gall sail & Main S. G. sail								
2			cloudy with passing rain squalls at 5 P.M. Slowed the sails								
3			Middle & latter Part sailing scraping the spar and tack ends cloudy								
4			at 1.50 am set 5.00 on the fore main Royal & luffed								
5			Dis 18. Course N. by W. Lat 20° 30' Long 117° West								
6			Tuesday Sept 14 th 1869								
7			This day begins with a light breeze from the S. by W.								
8			or cloudy weather, but at times this head sea has gone down								
9			some at 5 P.M. Wind hauled to S. W. at midnight light								
10			breeze & cloudy at 5 A.M. Wind S. by S. set the fore & main								
11			sails at 8 set sheeting sails on Port side hauled up & luffed								
12			Dis 10. Course N. by E. Compass Lat 21° 44' Long 117° 40' West								
Course.			Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Wednesday Sept 15 th 1869								
2			This day begins with a light breeze from								
3			the S. by S. & luffed from hot a few passing clouds from								
4			the ship at work at the rigging & paint in the bulwarks								
5			outside & iron work inside & Middle & latter Part light								
6			wind & baffling with rain ends fine weather & very hot the								
7			boat we have had get at work as usual scrubbing paint work								
8			Course True S. by N. 5 miles Lat 22° 26' N Long 118° 14' West								
9											
10			Thursday Sept 16 th 1869								
11			This day begins a light breeze from the								
12			N. by E. & luffed. Middle Part all night calm latter Part								
1			fresh breeze from N. by N. all night & luffed								
2			Lat by D. R. 23° 25' Long by Circ 119° 40' West 119° 12' D. R.								
3											
4			Friday Sept 17 th 1869								
5			This day begins with a fresh breeze								
6			from the North & luffed all sail set Middle Part								
7			light breeze ends with a fresh breeze again scraping								
8			the masts to day, calken the forward house, at work								
9			sewing on fair leaders &c								
10											
11			Dis 12.6 Course N. by W. Lat 23° 47' Long 121° 26' West								
12											
Course.			Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from *Baltimore* towards *San Francisco*

H. K. $\frac{1}{2}$ K. COURSES. WINDS. LEEWAY. Remarks, day of 18

1 *Saturday Sept 18th 1869*
2 *This day begins with a fresh breeze*
3 *from the North & Pleasant all sail set*
4 *Middle Port light breeze at 10 A.M. Packed ship*
5 *to N.E. at noon backed to W.N.W.*
6 *Dis 110 Course NW by W Lat 25.16 Long 123 40 DR 124.0 Chro*

7
8 *Sunday Sept 19th 1869*
9 *This day begins with a fresh breeze from*
10 *the N.N.W. & cloudy some times a thick mist all sail set*
11 *scraping mast. Middle & Scatter Port strong breeze*
12 *Dis 178 Course NW by W Lat 26.47 DR Long 125.5 DR*

1
2 *Monday Sept 20th 1869*
3 *This day begins with a fresh breeze from the N.N.W.*
4 *& cloudy all sail set Middle & Scatter Port light breeze*
5 *Dis 130 Course made NW by W Lat 28.22 N Long 128 10 DR*

6
7 *Tuesday Sept 21st 1869*
8 *This day begins with a fresh breeze N by W as usual*
9 *with passing clouds all sail set scraping mast*
10 *Middle & Scatter Port light breeze & cloudy Ends the same*
11 *Course N.W. Dis 105 Lat 29.40 Long 129.27*
12

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H. K. $\frac{1}{2}$ K. COURSES. WINDS. LEEWAY. Remarks, day of 18

1 *Wednesday Sept 22nd 1869*
2 *This day begins with a light breeze from*
3 *the N.E. all sail set Middle & Scatter Port equally with rain*
4 *at 3.45 A.M. Stowed the mizen & fore Royal Main Royal*
5 *Staysail & N.S.E. Staysail at 8.30 stowed Main Royal*
6 *Wind from N.E. to N.N.W. Lat 31.33 DR Long 131.18 West*

7
8 *Thursday Sept 23rd 1869*
9 *This day begins with a strong breeze*
10 *from the N.E. & E. Middle & Scatter Port light breeze from North*
11 *at 3 A.M. set Main fore & mizen Royal Main S. & G. Staysail*
12 *at 9 A.M. stowed them all Ends fresh breeze*
1 *Dis 131 Course made N.N.W. 22.33 Lat 33.43 DR Long 132.20 West*

2
3 *Friday Sept 24th 1869*
4 *This day begins with a fresh breeze from the*
5 *N by W & cloudy Middle & Scatter Port fresh breeze*
6 *scraping quarter deck &c Ends Pleasant with passing clouds*
7 *Course N.N.W. 10.6 Dis Lat 35.51 Long 133.24 West*
8

9 *Saturday Sept 25th 1869*
10 *This day commences with a moderate breeze from*
11 *the N by W with passing weather ends Pleasant*
12 *from N.E. & am*

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
N.N.W.	108	29.0	66.9	37.25	37.30	12.5		135.10 West	

Passage made in 145 days from Baltimore

JOURNAL, from

Baltimore

towards

San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Sunday Sept 26th 1869

2 This day begins with a light breeze from
3 the N.W. by N. & cloudy at 2 P.M. Tacked ship to
4 N.W. by N. & E. at 8.50 A.M. Tacked to N.W. at 11 Tacked
5 to N.E. again Wind N.W. all sail set ends P. Board
6 Lat 37° 25' North Long 133° 31' West

7
8 Monday Sept 27th 1869

9 This day begins with a moderate
10 breeze from the N.W. by N. & cloudy all sail set
11 Middle & Scatter Part light most calm
12 Course N.E. by E. Dis 95. Lat 37° 48' Long 131° 48' West

1 Tuesday Sept 28th 1869

3 This day begins with a light wind
4 from the S.W. by N. & pleasant sailing ship outside
5 down to her head & white streak all sail set that will draw
6 at 4 P.M. set studding sails on both sides Middle & Scatter
7 shot fresh breeze at 5 A.M. wind hauled to West set
8 everything excepting Cross back ends pleasant got up
9 both cables & bent on to the anchors finished painting
10 out side
11 Course E. by N. True E. by N. Lat by Obs 38° 12' Long 129° 40'

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Wednesday Sept 29th 1869

2 This day begins with a strong
3 breeze from the N.W. & a cloudy sky. By all
4 sail set Middle & Scatter Part Strong breeze at 6 A.M.
5 hauled in the lower studding sail Stowed main Royal stowed
6 Course E. by N. True Dis 192. Lat by Obs 37° 51' Long 125° 37' West

7 Thursday Sept 30th 1869

8 This day begins with a strong breeze
9 from the N.W. & happy sailing at 7 P.M. Stowed
10 the Regent's fore royal & main Royal & main Royal Staysail
11 & main Top Ball Staysail at 8.30 Stowed Top Ball Sails
12 outer Lib. at 12.30 A.M. made for light at 6.30
1 A.M. Pilot came on board at 2 P.M. came to anchor
2 in the Bay oblit. the city at 8 P.M. set the anchor
3 watch so ends this day of 36 hours to commence
4 Civil time

5 Friday Oct 1st 1869

6 This day begins with a happy looking sky
7 & very warm washed off decks & pumped out the ship
8 100 men went ashore loaded the Courses & lower topsails
9 & 100 sails & embarked them scrubbed the ship & and
10 sent a letter home

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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Harbor Journal in San Francisco

JOURNAL, from towards

H. K. 1/2 K. COURSES. WINDS. LEEWAY. Remarks, day of 18

1 Saturday Oct 2nd 1869

2 This day begins with a light breeze
3 & pleasant, unbent the rest of the sails, & commenced
4 to paint ship outside at 4.30 P.M. went ashore in the
5 boat & see Uncle Sam went over to his place in Chilton
6 & found them all well, & stayed till Monday the 4th
7 had a pleasant time received 3 letters from home on the 1st of
8 Oct wrote a letter home

9 Sunday Oct 3rd 1869

10 Pleasant day & very warm, attended
11 church this forenoon afternoon with the family
12 at 6.30 fishing came home should not have known him

1 Monday Oct 4th 1869

2 This day begins with a fresh cool breeze cool
3 all day left Chilton at 6.30 for San Francisco arrived
4 at 12.10 miles to travel came on board the ship first
5 painting to day ten men onboard not anything occurring
6 of particular note

7 Tuesday Oct 5th 1869

8 This day begins with a cool & fresh breeze
9 from the N.W. washed decks in the morning & painted
10 ship forenoon scrubbed the ship around under water

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H. K. 1/2 K. COURSES. WINDS. LEEWAY. Remarks, day of 18

1 fitting a new pair of cutter & 13 pendants, &c. Carpenter
2 caulking under the counter mid day nice cool air
3 Ship St Charles left here at Town Sound to
4 Liverpool with Grain David Scribner is mate of her
5 for mate. Mate of the Pictolus a sister ship
6 Afternoon finished painting under the counter
7 then all employed at some thing ten in number
8 been a very strong breeze all day & a strong current

9 Wednesday Oct 6th 1869

10 This day begins with a very heavy dew the wind
11 S.W. by W. passed down deck in the morning pumped ship
12 raised the main top. Call Buckstays & set of the top call
1 rigging set the back stays a pine after noon Carpenter put
2 on a new head on the ships stern receive a letter from home
3 to day pleasant evening not anything occurring worth noting

4 Thursday Oct 7th

5 This morning we are having a strong breeze from
6 the North. Passed down deck in the morning set up
7 main top call rigging & mizen Royal stay discharged
8 six men to day the day ends pleasant with a light breeze
9 from the North ship again sailed for ever for

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H. K. $\frac{1}{2}$ K. COURSES. WINDS. LEEWAY. Remarks, day of 18

1 Friday Oct 8th 1869

2 This morning the wind about SE at noon
3 North very warm day, jolting around at once strong
4 and another last night. Had quite a fire ashore
5 here. have not associated what loss yet all so the loss
6 of the Pacific Ship Dreadnought to the westward
7 of the St. of Le Maire. The gun ashore in
8 battle, cargo coen all saved. Sup. Amity sailed for
9 Liverpool

10 Saturday Oct 9th 1869

11 This morning the wind was about North
12 Pleasant day & very warm. The S. M. S. boat came in this
morning from Panama, stating of an accident

3 Sunday Oct 10th 1869

4 This morning, every thing as still as
5 can be seen. A small boat to be seen on the water coast looking
6 up, washed down decks in the morning
7 at 10. A fresh breeze sprang up from the N.W. here
8 inboard all day

10 Monday Oct 11th

11 This morning is a raw cold morning
12 washed down decks & pumped out ship. scoured the ship

Course. Distance. Diff. of Lat. Departure Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. In. Lon. by Ob.

H. K. $\frac{1}{2}$ K. COURSES. WINDS. LEEWAY. Remarks, day of 18

1 wind, to day, wind about N.W.

2 Tuesday Oct 12th 1869

3 This morning on a full heavy dew of very
4 foggy till 10 o'clock then it commenced to clear up.
5 Wind about N.W. in the morning, washed down decks
6 Carpenter commenced to caulk the ship out side
7 this morning with one of the men to help him
8 George Percy laid up sick this noon with diarrhoea
9 Been down all day

10 Wednesday Oct 13th 1869

11 This morning a thick fog cant see but one
12 vessel it is so thick, wind about N.E. washed down
decks in the morning, sent down the Main Top Gall Sail to
shortened them three inches, nothing of importance
occurred to day Carpenter caulked

7 Thursday Oct 14th 1869

8 This morning very thick with
9 fog, washed down decks & pumped out the ship.
10 Carpenter at work caulked at 9 A.M. Mr.
11 Josephine Collier left the ship for 10 miles
12 The Main Ship for Panama thence to N.Y.

Course. Distance. Diff. of Lat. Departure Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. In. Lon. by Ob.

JOURNAL, from

towards

Shadbrook Journal in San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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Friday Oct 15th 1869

This morning a very heavy dew
rained down deck, Jan & scubbing the ship is day
Ship Lincoln left here this morning at very strong
breeze sprang up this afternoon from the Westward
blew hard till cockle then moderated

Saturday Oct 16th 1869

This morning not any dew at all
fell washed down deck in the morning & jumped
Ship Carpenter at work caulking outside
at 5 P.M. went over to Church & spent the
Sabbath

Sunday Oct 17th 1869

This has been a very pleasant & warm
day. in the forenoon went to church & in the eve
Deer More preached

Monday Oct 18th 1869

This day has been very cloudy & wet
threatening to rain all day. got up the fore top gal
preparing for it. Carpenter caulking ship
in the evening a little rain
Rec'd a letter from Lincoln

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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Tuesday Oct 19th 1869

This morning thick & wet washed
deck & jumped ship men employed & all odd
jobs. Carpenter at work caulking outside
commenced to rain this afternoon & still raining
Sold the cargo at 3¹/₄. Chartered for Sweep freight \$3.25
Wednesday Oct 20th 1869

This day commences with a broken
sun at 7 commenced to rain but showering all
day a large fleet of vessels came in this forenoon
about eight. Noon raining again quite hard
getting ready to haul in to dock Saturday I'll rain

Thursday Oct 21st 1869

This day has been raining in the fore-
noon, afternoon cleared up cockilled the foremast
& got cleared up ready for hauling into dock

Friday Oct 22nd 1869

More short in the forenoon at noon
steaming came along side hove up & came in to
Bathways wharf. Made fast cleared up decks &c
Oct 23rd stand watch night times

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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JOURNAL, from *Head of Bay of San Francisco* towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18				
1						Saturday Oct 23 rd 1869						
2						Washed decks in the morning						
3						had an overhauling with the sails cleaning up						
4						for discharging cargo						
5												
6						Sunday Oct 24 th 1869						
7						This day begins with a heavy dew and						
8						decks in the morning weather thick & foggy Wind a bit						
9						west or thereabouts in afternoon took a walk ashore						
10						up in the city see some of the buildings not any						
11						things of interest on board worth noting down						
12												
1						Monday Oct 25 th 1869						
2						This day commenced to discharge						
3						coals, discharged 22 Tons. Men employed at						
4						ship duty						
5												
6						Tuesday Oct 26 th 1869						
7						Discharged 288 Tons today						
8						scrubbed the ship & bound etc						
9												
10						Wednesday Oct 27 th 1869						
11						Discharged 76 tons of coal						
12						Wind 10 day Bx						
			Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18				
1						Thursday Oct 28 th 1869						
2						Discharged 132 tons tons of coal						
3						Wind N. B. x.						
4						Friday Oct 29 th 1869						
5						Discharged 108 tons						
6						Wind Bx.						
7												
8						Saturday Oct 30 th 1869						
9						have not been discharging cargo						
10						so day so much on the wharf freight out 96 7/8 tons						
11						been painting out side in the forenoon washed down aft						
12						Sunday Oct 31 st 1869						
1						This morning it is thick & foggy						
2						Went over to Uncle Sam's in Clinton 15 days						
3						all well						
4						Monday Nov 1 st 1869						
5						Discharged 93 tons of coal						
6						Tuesday Nov 2 nd 1869						
7						Discharged part of the day						
8						Delivered in 125 Tons odd pounds						
9						Total Delivery 11.42 1397						
10						Tons Lbs						
11												
12												
			Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from Harbor found towards San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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34 days 1 Wednesday Nov 2nd 1869
2 Been discharging coal till 8 1/2 pm
3 Rec 3 Sack Bikes Delivered 96 1570 lbs
4 7500 feet 18 spruce boards 12 1397
5 Total Delivery 1239 727 lbs
6
7 Thursday Nov 4th 1869
8 San 8th Discharged part of the day
9 31 2 1 9 2 4 - 20 Pine Delivered 103 - 129 lbs
10 300 10 2 3 - 20 Ships 1239 - 727 lbs
11 1600 11 dry spruce boards Total delivery 1342 856
35 days 12 Friday Nov 5th 1869
1 Continued to take in Cargo 4680 Bags of wheat; 49 loads
36 days 2 Delivered 179 tons of coal Total delivery 1540
3
4 Saturday Nov 6th 1869
5 Finished discharging 10 am
37 6 Delivered 117 tons Total Delivery 1670 Tons
7 Pumped the Ship well out
8 Sunday Nov 7th 1869
9 This morning washed down decks
38 10 Atmosphere very clear
11
12

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 Monday Nov 8th 1869
2 Delivered 76 tons of coal of the wharf
3 Total 1748 tons at noon Shaved or moved the
39 4 Ship from the Haways wharf to Real St wharf. took in
5 wheat - Rec 5423 Sacks wheat
6
7 Tuesday Nov 9th 1869
8 Pleasant day to kinetic in wheat all day
9 washed down decks in the morning Rainy Ship outside
10 Finished weighing Coals 1801 Tons took in 9817 at Baltimore
11 burned corns out 7 tons saved out forth passage 12 tons
40 12 Rec 6625 Sacks wheat
1
2 Wednesday Nov 10th 1869
41 3 Rec on board 4018 Sacks wheat Raining in afternoon
4 Thursday Nov 11 1869
5 Rec on board 2501 Sacks wheat raining
42 6 some Stores come on board Part of them
7 Friday Nov 12th 1869
8 Rec on board 4327 sacks wheat cloudy day
9 Finished taking in Stores Carpenter of on a drunk
43 10
11 Saturday Nov 13th 1869
44 12 Rec on board 2700 Sacks wheat Total 30281

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

Sailed Nov 16th 1869 for Liverpool from Frisco

JOURNAL, from

towards

Leeward Journal in San Francisco

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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45 days

1						Sunday Nov 14 th 1869		
2								
3						over in Oakland two trains dived together killing 4 persons & bruising others		
4								
5								
6								

Monday Nov 15th 1869

46 days

Ree on board 968 sacks wheat Total 31241 sacks at 10 am hauled out in the stream at 11 men came on board commenced to bend sails.

Tuesday Nov 16th 1869

47 days

Finished bending sails at 10 have short at 11.30. Steam tug took us in tow to see Farallones light bore at 6. PM NW by N dis 10 miles from which I take my departure so ends this day of 12 hours to commence navigation

Wednesday Nov 17th 1869

1 day

This day begins with a light breeze & pleasant weather. Middle Part light breeze from the West to NW by N. Latter Part Set Studding sails at 9 A.M. Lat at noon 36° 37' Long 123. 17

Thursday Nov 18th 1869

This day commences with fresh breeze from the NW. In the evening the cables showed them below

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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2 days

at 3 P.M. set Studding sails both sides pleasant weather Wind right aft NW by N. Middle & Latter Part fresh breeze E by S fine Lat at noon 34. 07 North Long 122 16 West

Friday Nov 19th 1869

3 days

This day begins a fresh breeze from the NW by N all sail set. Middle Part fresh breeze Latter Part light breeze been cleaning paint works all day Dis 129 miles Lat at noon 31. 58 Long 121. 00 West

Saturday Nov 20th 1869

4 days

This day begins with a light breeze from the NW by N. Middle Part Calm Latter part light breeze from the NW by N all sail set. Pleasant weather Dis run 53 miles Lat 30° 47' N Long 119° 44' West

Sunday Nov 21st 1869

5 days

This day begins with a light air from all points baffling ends with light breeze Dis 76. Lat 29° 31' N Long 119. 56 W. Course S by E

Monday Nov 22nd 1869

This day begins with a light breeze & pleasant weather Middle & Latter part light wind from NW to NW. to North End with a fresh breeze from NW

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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28208	96	87.8	36.4	28.4N	28.08	1 Point	00.42	119.14	119.32
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JOURNAL, from *San Francisco* towards *Liverpool*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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7. 1 Tuesday Nov 23rd 1869
2 This day begins with a fresh breeze from the NW
3 Middle & Latter Part fresh breeze wind from NW to NE
4 Distance 166 miles Lat 25° 35' Long by D.R. 118° 21' W.
5
6 Wednesday Nov 24th 1869
7 This day commences with a strong breeze from
8 the Northward & cloudy weather all sail set
9 Middle & Latter Part wind baffling from SE to NW
10 Course S, S E 3/4 E Dis 148' Lat 23° 16' N Long 117° 38' 117.15 West
11
12 Thursday Nov 25th 1869
1 This day begins with a fresh breeze from the
2 NNE Middle & Latter Part baffling wind from East to NW
3 Course S, S E 3/4 E 76 miles Lat 21° 36' N Long 116° 35' West - D.R.
4
5 Friday Nov 26th 1869
6 This day begins with a light breeze baffling from
7 East to NW by N large swell from the NW. Ends light air
8 Course S, S E 3/4 E Dis 60 miles Lat 20° 34' N Long 116° 09' West Long
9
10 Saturday Nov 27th 1869
11 This day begins with a light air & baffling
12 At 4 A.M. light breeze spring up the NE ends with a fresh breeze
Course Distance Diff. of Lat. Departure Lat by D.R. Lat. by Ob. Variation. Diff. of Lon. Lon. In. Lon. by Ob.
S, S E 3/4 E 84 19 14 3/4 116.35 116.5 2r

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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12 1 Sunday Nov 28th 1869
2 This day begins with a strong breeze
3 from the NE all sail set Middle Part raising ends fine
4 Course S, S E 3/4 E Dis 175 Lat 16° 45' N Long 114° 09' W
5
6 Monday Nov 29th 1869
7 This day begins with a fresh breeze from the NE
8 all sail set 1st part with passing clouds Middle
9 part light air The sky overcast & dark Ends with light breeze
10 Dis 89 Course S, S E 3/4 E Lat 15° 44' N Long 113° 10' West
11
12 Tuesday Nov 30th 1869
1 This day commences with a light air from
14 the NE at 6 P.M. wind S, S E all sails set at 3 P.M.
3 cleared up Breeze equally at 8 A.M. then very hot light air S, S E
4 Course S, S E Dis 61 Lat 14° 39' N Long 113° 6' W D.R.
5
6 Wednesday Dec 1st 1869
15 7 This day begins with a light air from
8 the NE wind baffling
9 Dis 30 miles Course S, S E Lat 14° 23' N Long 113° 6' West
10
11 Thursday Dec 2nd 1869 This day begins light breeze from North
16 12 Middle part light air & plenty rain ends light breeze & cloudy weather
Course Distance Diff. of Lat. Departure Lat by D.R. Lat. by Ob. Variation. Diff. of Lon. Lon. In. Lon. by Ob.
S, S E 3/4 E 63 13 28 13.27 3/4 112 49

JOURNAL, from San Francisco towards Lower Pool 1869

H. K. 1/2 K. COURSES. WINDS. LEEWAY. Remarks, day of 1869

1 Friday Dec 3rd 1869

2 This day begins with a fresh breeze from the Southward Middle & Latter Part calm with rain ends with a light breeze & clouds.

3 Course SE. Dis 46 Lat. 13° 00' N. Long 112° 14' West.

4 Saturday Dec 4th 1869

5 This day commences with a light breeze from the Northward & clouds sq. at 8 squally squally at Middle & Latter Part. Strong breeze from the East at 5 a.m. stowed Royals & T. Gall. Sails out give at 12 a.m. set T. Gall. Sails cross jack ends light air Course Dis 153 Lat. 10° 45' N. Long 112° 17' West.

6 Sunday Dec 5th 1869

7 This day begins with a light breeze from the SE by S Middle & Latter Part calm with rain ends by light air Dis 24 Lat. 10° 26' N. Long 112° 30' West.

8 Monday Dec 6th 1869

9 This day begins with a light breeze & squally looking weather Middle & Latter Part squally ends with rain squally wind East by compass Lat 3/4 of Port

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
SE 1/4 S	96			9° 5'		1/2° E		112.39	

H. K. 1/2 K. COURSES. WINDS. LEEWAY. Remarks, day of 18

1 Tuesday Dec 7th 1869

2 This day begins with a light air from the East at 8 P.M. Strong breeze started The Top Gall Sails out give Reefed Mizzen Topsail at 11 blowing & raining in rain water Calm ends strong breeze & cloudy with set Lat S Course S 1/4 E Lat by Obs 7° 56' N. Long 112° 22'

3 Wednesday Dec 8th 1869

4 This day begins with a strong breeze from the SE by E at 11 45 stowed T. Gall Sails Middle part fresh breeze at 6 a.m. set Gallant Sails ends with a strong breeze from South Dis 142 Course SW by W Lat. 6° 56' N. Long 114° 37' West.

5 Thursday Dec 9th 1869

6 This day begins with a fresh breeze from the SE by E & cloudy looking sky Middle & Latter Part fresh breeze ends same kind from SE to South Dis 150 Lat 5° 05' N. Long 116° 24' West.

7 Friday Dec 10th 1869

8 This day begins with a strong breeze from SE & cloudy Latter Part squally with Royals fuled & Staysails main & C. S. S. sail to Ryan

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					4 10			118.30	

JOURNAL, from *San Francisco* towards *Liverpool* 1869

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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35 days 1 *Thursday Dec 21st 1869*
 2 *These 24 hours moderate breeze & fine*
 3 *weather all sail set & studding sail & in North*
 4 *Course S.E. Dis 139 Lat Obs 24° 49' S Long 121° 58' West.*
 5
 6 *Wednesday Dec 22nd 1869*
 7 *These 24 hours light breeze from*
 8 *the N.W. steering S.E. $\frac{1}{2}$ S*
 9 *Dis 140 Lat Obs 26° 20' South Long 120° 51' West.*
 10
 11 *Thursday Dec 23rd 1869*
 12 *This day commences with a light breeze*
 37 1 *from the North all sail set fine with setting*
 2 *up head gear & backstays &c Ends line 120° 41' Chro*
 3 *Course True S.E. $\frac{1}{2}$ S Dis 140 Lat Obs 28° 08' Long 119° 22' West.*
 4
 5 *Friday Dec 24th 1869*
 38 6 *These 24 hours moderate breeze from the*
 7 *N.W. & pleasant all sails set & by Lat -*
 8 *Dis 138 Lat by Obs 29° 53' South Long 117° 33' West.*
 9
 10 *Saturday Dec 25th 1869*
 39 11 *The 24 hours moderate breeze from the N.W.*
 12 *all sail set - Pleasant weather*

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					31° 33'			116° 08'	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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40 days 1 *Sunday Dec 26th 1869*
 2 *These 24 hours moderate breeze, all drawing*
 3 *sail set & wind from S.E. to N.E. Pleasant weather*
 4 *Course True S.E. Dis 128 miles Lat 32° 56' Long by Chro 116° 37'*
 5
 6 *Monday Dec 27th 1869*
 41 7 *These 24 hours moderate breeze all sails*
 8 *set - At 11 A.M. wind hauled to the Southward*
 9 *Course S.E. Dis 129 Lat 34° 35' N. 113° 01' R. Chro 115° 03' West*
 10
 11 *Tuesday Dec 28th 1869*
 42 12 *This day begins with rain squalls. Wind*
 1 *hauling to S.E. at 17.30 P.M. Tacked ship to S.W.*
 2 *Ends fine weather with passing clouds. Wind East -*
 3 *Course Made S.W. by E Dis 79 Lat 35° 35' South Long 113° 36' 115° 00' Chro*
 4
 5 *Wed Dec 29th 1869*
 43 6 *These 24 hours misty & raining all sails set.*
 7 *Lat 38° 46' 113° 32' West 114° 58' West Chro*
 8
 9 *Thursday Dec 30th 1869*
 44 days 10 *Wind East hauling at 4 to N.E.*
 11 *These 24 hours fresh breeze & foggy Ends with a fresh*
 12 *breeze from the North repairing sails for the last week*

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
S.E. $\frac{1}{2}$ S	179			40° 39'	40° 38'	9°		117° 11'	112° 54' Chro

True

1870

JOURNAL, from *San Francisco* towards *Seacroft* 1869-1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	is
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1 Friday Dec 31st 1869
2 This day commences with a strong breeze from
3 the S.W. & light weather at 830 P.M. wind N.W.
4 & thick fall from 8 1/2 hours latter Part raining
5 Course by Compas S.E. & E Dis 179 Lat by DR 42° 56 Long 108. 47 West
45 day 6 Breeze changed of our board 1869 Wet foggy weather
7
8 Saturday Jan 1st 1870
9 This day begins with thick foggy wind
10 W.N.W. & blinding hail wet both sides 1 P.M. At 1 1/2 P.M.
11 Wind hauled to S.W.S.W. fog clearing up breeze fresh
12 up Royals fore & Mizzen lowered Ench. & dished
46 1 Course by Compas E.S.E. Dis 189 Lat 44° 57. Obs Long 105 26 DR
2
3 Sunday Jan 2nd 1870
4 This day begins with a strong breeze from W.S.W. & N
47 5 Middle & Latter Part light breeze ends with heavy weather
6 Dis 147 Lat 46 26 South Long by Chron 105 10
7
8 Monday Jan 3rd 1870
9 This day begins with a moderate breeze from the
48 10 N.W. & N. Middle & Latter Part wind N.W. & S moderate
11 breeze. Ends with a fresh breeze from W.S.W.
12

Course.	Distance.	Diff. of Lat.	Departure.	Lat by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
S.E. & E 51				47.364744	16°			102.18	

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	is
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1 Tuesday Jan 4th 1870
2 This day begins with a fresh breeze from the
3 W.S.W. & hazy weather Middle & Latter Part light
4 breeze Ends with rain & calm
49 5 Dis 151 Lat 48° 46 Long DR 98 54 West
6
7 Wednesday Jan 5th 1870
8 This day begins with a Calm at 4 P.M.
9 Wind from the South Middle & Latter Part strong
10 breeze lowered Royals fore & Mizzen Top Galls dished
11 outer gib spanker & reefed the main sail
50 12 Dis 175 Course by Compas E.S.E. Lat. Obs 50 22 Long 96° 13. DR
1
2 Thursday Jan 6th 1870
3 This day begins with a strong breeze from
4 the South lowered the mainsail reefed Top sail
5 &c at 8 A.M. at spanker mainsail reefed squally
51 6 Dis 208 Course by Compas E.S. Lat 51 47. Long DR 90° 20 Chron 91. 2 S.W.
7
8 Friday Jan 7th 1870
9 This day begins with a strong from S.W. at 3
10 selfull Top sails mainsail Crossjack 10 East wet
11 at 10 P.M. wind hauled to N.W. at 3 A.M. wind hauled to W.N.W. set the Royal
52 day 12 Ends Thick Wind West

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
E.S. 170				52 07	X	22°		86 28	X

JOURNAL, from

San Francisco

towards

Liverpool

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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53 day

1			Saturday Jan 8 th 1870					
2						This day begins with a strong breeze from		
3						W by N & thick misty weather at 11 P.M. Wind S.W.		
4						& still thick ends with wind west by N		
5	Dis	186				Lat by Obs 54. 37 Long W 89 24 82 24		
6								

Sunday Jan 9th 1870

7								
8						Wind W by N large middle & latter part		
9						strong breeze ends fine weather ship to the		
10	Course	Comp	Dis	207	Lat	55° 50. Long	W 76. 58	by 77. 13
11								
12								Ch 77 59

Monday Jan 10th 1870

1						This day begins with a strong breeze from		
2						W by S & fine weather middle part Wind W.S.W. latter part		
3						Wind W by S & sky overcast all drawing sail set		
4						ends with rain wind N by N		
5	Course	ENE	Dis	164	Lat by DR	56. 20	Long	72. 06 DR
6								

Tuesday Jan 11th 1870

7						This day begins with thick wet weather		
8						at 6 P.M. cleared up fresh breeze wind W.S.W.		
9						at 3 P.M. made Diego Ramirez Islands at 10.45		
10						bore North true fresh breeze & pleasant weather		
11						all drawing sail set small sea from the westward		
12								

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
ENE	193			56. 32	56. 33	25°			68. 31

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	Bark	day of	18
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1	Wednesday Jan 12 th 1870	Ship bound to west ward
2	These 24 hours strong breeze from the SW	
3	at 5 P.M. Gape Horn bore North True Dis 10 miles	
4	at noon Staten Land bore W by N 4 N Dis 25 miles	
5	Pleasant weather & water very smooth all sail set	
6	Dis 203 Course NE by Compas	Lat DR Ob 55 07. Long DR 63. 08
7		

Thursday Jan 13th 1870

0	These 24 hours moderate breeze & pleasant													
1	Weather very warm all had set & studding sails													
2	Course N & ENE True Dis 98 Lat 53. 44 Long 58. 12													
1	" " " " " "													

Friday Jan 14th 1870

1						These 24 hours moderate breeze								
2						from the N.W. & pleasant weather all sail set Royal Stays set								
3						Course	N by N	Dis	130	Lat	52. 31	Long	55. 29	West
4														
5														

Saturday Jan 15th 1870

6						These 24 hours moderate breeze								
7						middle watch foggy. Spoke an English ship at 5 P.M.								
8						at Hobbsdale from Melbourne 34 days out								
9						she out sails us. Ends pleasant weather with								
10						passing clouds all sail set wind N. W by N								
11														
12														

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
	149				50 35			52 28	

JOURNAL, from *Hon Francisco* towards *Severpool* 1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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Charles Rogers

1						<i>Friday Jan 16th 1870</i>		
2						<i>This day begins with a fresh breeze</i>		
3						<i>from the North & much wetter at 10 slowed Royals</i>		
4						<i>middle & main brace at 1 a.m. slowed Top Gall Sails &</i>		
5						<i>castled & shifted the inner jib head sea on at 10 a.m.</i>		
6						<i>Reefed fore & main Top Sails Strong wind head wind</i>		
7								

61 Course True $\text{By } N 19^{\circ} E$ Dis *Lat* $49^{\circ} 53'$ Long $47^{\circ} 42'$

10						<i>Monday Jan 17th 1870</i>		
11						<i>This day begins with a strong breeze from</i>		
12						<i>the North at 1 p.m. Slowed cross jack at 5 p.m.</i>		
1						<i>double reefed the main sail & main Top Sail Short sea on</i>		
2						<i>middle watch light breeze & pleasant at 8 a.m. Strong Gale</i>		
3						<i>Slowed main sail fore sail fore upper Top Sail</i>		
4						<i>Reefed Spanker under 3 lower Top sails Reefed Top St. for 5 S</i>		
5								

62 Course $E 1/2 S$ Dis *Lat* $50^{\circ} 05'$ Long $45^{\circ} 04'$ West

8						<i>Tuesday Jan 18th 1870</i>				
9						<i>This day begins with thick & rainy weather</i>				
10						<i>Wind N.W. Sea going down at 2 30 p.m. wind hauled</i>				
11						<i>to N.W. & have mist at 5 p.m. Gall Sails set to back at 7 30 p.m.</i>				
12						<i>made sail turned out all Reefed Top Gall Sails at 11 main Royal wind</i>				
	Course.	Distance.	Diff. of Lat.	Departure.	Lat by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
										<i>at 8 a.m. spoke the bark we sighted from Chili Bound to</i>

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1						<i>Swaney 31 days her name Rose of England</i>		
2								

63 *N 1/2 E* Dis 218 *Lat* $46^{\circ} 49'$ Long 43.33 West

5						<i>Wednesday Jan 19th 1870</i>		
6						<i>This day begins with a strong breeze</i>		
7						<i>from the N.W. & pleasant middle of day thick fog wind N.W.</i>		
8						<i>at 10 a.m. cleared up all sail set</i>		
9								

64 Dis 210. *Lat* by Obs 44.13 Long by *DR* 40.29 (true $40^{\circ} 43'$)

12						<i>Thursday Jan 20th 1870</i>		
1						<i>These 24 hours fresh breeze sometimes</i>		
2						<i>thick fog then pleasant - at wind from N.W. to</i>		
3						<i>N 1/2 E ends pleasant Repairing a jib</i>		
4								

65 *Lat* $42.37 S$ Long $36^{\circ} 51' DR$

7						<i>Friday Jan 21st 1870</i>		
8						<i>These 24 hours Rain at 2 a.m. commenced</i>		
9						<i>to blow a gale from the North Reefed Top sails hauled main &</i>		
10						<i>briffen Courses Wind hauled to West in the mean time</i>		
11						<i>& died out - Calm brief - at 11 light breeze from the North</i>		
12						<i>again See that Bark a gain passing us Rose of England</i>		

66 day Course Distance Diff. of Lat. Departure Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. In. Lon. by Ob. 4127 $34^{\circ} 48'$

JOURNAL, from

San Francisco towards

Lower Pool 1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			Saturday Jan 22 nd 1870					
2			These 24 hours strong breeze from					
3			the S.E. or E. commenced with a calm					
4			then spring up S.E. at 6 P.M.					
5			Lat by D.R. 29° 20' S. Long by D.R. 34° 06' W.					
6			Sunday Jan 23 rd 1870					
7			This day begins with a strong breeze					
8			from the S by W at 4 P.M. set Top Mast Sludding					
9			at 2 A.M. wind hauled to ESE pleasant weather					
10			Ends with wind ESE all sail set - warm day					
11			Lat by Ob 36° 58' S. Long 33° 43' West					
12			Monday Jan 24 th 1870					
1			These 24 hours moderate breeze & pleasant					
2			weather all sail set wind ESE to East					
3			commenced to clear ship					
4			Lat. 34° 53' S. Long 33° 15' W.					
5			Tuesday Jan 25 th 1870					
6			These 24 hours light air from ESE to SW					
7			pleasant Ends with light breeze from S by W					
8			Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.
9			NNE 1/2 S	76	1/10	29	33 43	33 43
10								Variation.
11								3/4 P.
12								Diff. of Lon.
								35 miles
								Lon. In.
								32 25
								Lon. by Ob.
			H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.
								Remarks,
								day of
								18
			Wednesday Jan 26 th 1870					
			This day begins with a light breeze from					
			S by W to pleasant weather Middle & Latter Part					
			light Ends with wind NE. all sail set.					
			Lat. 32° 46' S. Long 32° 38' West.					
			Thursday Jan 27 th 1870					
			This day begins with moderate breeze					
			& light rain squalls slowed Royals & T. & Staysail					
			Middle & Latter Part. Strong breeze wind NW					
			Lat by Obs 31° 28' S. Long 31° 13' West					
			Friday Jan 28 th 1870					
			These 24 hours moderate breeze & pleasant					
			wind NE to NW all sail set - clearing					
			Dis 157. Lat. 29° 35' S. Long 28° 43' West					
			Saturday Jan 29 th 1870					
			This day commences with rain squalls					
			wind NW to NW NW Middle & Latter Part. Light					
			breeze all sail set looking squally Ends with					
			wind NW					
			Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.
								Variation.
								3/4 P.
								Diff. of Lon.
								30.00 W
								Lon. In.
								Lon. by Ob.

JOURNAL, from *San Francisco* towards *Liverpool* 1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1	75 days		Sunday Jan 30 1870					
2						These 24 hours light breeze & pleasant		
3						weather at 8 P.M. wind S.W. by S. Ends with		
4						wind, Card all sail set		
5								
6						Dis. 84. Lat. 26° 37' S Long 27° 16' W		
7								

8			Monday Jan 31 1870					
9						These 24 hours light air &		
10						baffling Ends as of hot weather		
11								
12	76 days					Dis 88. Lat by Obs 26.04. Long DR 27.02		

1			Tuesday Feb 1 1870					
2						These 24 hours light breeze & pleasant		
3						weather all sail set very hot		
4								
5								
6	77 days					Dis 66. Lat 25.18 Long 26.45 28 cal		
7								

8			Wednesday Feb 2 1870					
9						These 24 hours light air & baffling		
10						all sail set wind from N.W. to S. & N.W.		
11								
12	78 days					Dis 44. Lat 24.42 Long 26.23. W		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1			Thursday Feb 3 1870					
2						These 24 hours light air & baffling		
3						Pleasant weather very hot		
4	79 days					Dis 40. Lat 24.16. S Long 26.05. West		
5								

6			Friday Feb 4 1870					
7						These 24 hours nearly Calm pleasant		
8						& hot		
9	80 days					Lat 24.10. Long 26.57 28 cal		
10								

11			Saturday Feb 5 1870					
12						These 24 hours light breeze &		
1						baffling pleasant with three vessels		
2						in sight one bound to the northward		
3	81 days					Lat 23° 25. Long by Chro 27.32. W		
4						DR 27.20		

5			Sunday Feb 6 1870					
6						These 24 hours light breeze from N.E. to E		
7						all sail set middle & both part moderate breeze		
8						Three vessels in sight two bound Northward		
9	82 days					Obs Lat 22 18. Long DR 27.58 west, Chro 30 25		
10			Monday Feb 7 1870					

11						These 24 hours fresh breeze & pleasant		
12	83					Two Bark's bound to the Southward		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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				20.38				29.40	31.21
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Crossed the Equator Feb 15th

JOURNAL, from <i>San Francisco</i> towards <i>London</i> 1870											
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Tuesday Feb 8 th 1870								
2			These 24 hours strong breeze from NE								
3			to East of pleasant weather all sail set								
4			Panting ship &c								
5											
6	84		Lat by Obs 17° 4' S. Long 29. 30. 28								
7			Chro 31. 26								
8			Wednesday Feb 9 th 1870								
9			These 24 hours strong breeze with								
10			light rain squalls all sail set								
11											
12	85		Lat by Obs 14° 38' Long by DR 29. 58								
1			Chro 31. 24								
2			Thursday Feb 10 th 1870								
3			These 24 hours strong breeze from								
4			the East all sail set pleasant								
5											
6	86		Lat by Obs 11° 44' S. Long DR 28 53 W.								
7			Chro 31. 68								
8			Friday Feb 11 th 1870								
9			These 24 hours fresh breeze from East								
10			to ESE all sail set pleasant weather								
11											
12	87		Obs 166. Lat by Obs 9° 11' S Long DR 27° 3 5 W								
Course.			Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
											Ch 30 42
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Saturday Feb 12 th 1870								
2			This day begins with a fresh breeze								
3			from the East Middle & latter part								
4	88		wind ESE & E by S all sail set								
5			S W								
6			Lat by Obs 4° 6' S Long 27° 10								
7			Ch 29 56								
8			Sunday Feb 13 th 1870								
9			These 24 hours fresh breeze from								
10			East to ESE all sail set pleasant								
11	89		S W								
12			Lat by Obs 3° 31' S Long DR 26 33								
1			Ch 29 35								
2			Monday Feb 14 th 1870								
3			This day begins with moderate breeze & fine weather all								
4			sail set wind ESE Middle & latter part moderate								
5			breeze from E. to E by S 5 vessels bound to Southward								
6	90		S W								
7			Lat by Obs 1° 05' S Long by Chro 29 35 DR 26 40								
8			Ch 29 35								
9			Tuesday Feb 15 th 1870								
10			These 24 hours light & baffling wind								
11	91		all sail set Middle & latter part								
12			Encls very hot weather								
Course.			Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
			S W Current			00 38 N	Long DR 26 45		29 32	29 44	

Thos. G. Knight, Stationer and Blank Book Manufacturer, Bath, Me.

JOURNAL, from *Liverpool* towards *Liverpool* 1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Wednesday Feb 16 th 1870		
2						All these 24 hours light baffling		
3						wind & very hot & falling extremely		
4						frequent rain showers very near calm		
5						5 th feet by		
6						Lat by DR 26 58		
7						93 days at Sea Dis 16 Lat by DR 16 N Lat by Obs 15 Lat by DR 29 57		
8						Thursday Feb 17 th 1870		
9						These 24 hours light air from NW		
10						to NE large swell from the NE ship		
11						won't stop very warm, cloudy frequent		
12						rain showers ends hot & muggy		
1						Lat by DR 27		
2						Lat by Obs 14 N Long by Obs 29 34 West		
3								
4						Friday Feb 18 th 1870		
5						This day begins with a light air from the		
6						westward very warm frequent rain showers		
7						Middle Part heavy rain & light wind from		
8						NW ends with very light air from SW two ships		
9						Lat Obs 18 35 N Long by DR 27 10		
10						Saturday Feb 19 th 1870		
11						This day begins with a light air from SW all night		
12						very hot & cloudy Middle & latter part light air from the East		
						Course. Distance. Diff. of Lat. Departure. Lat. by D.R. Lat. by Ob. Variation. Diff. of Lon. Lon. In. Lon. by Ob.		

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						5 Topsails 5 Topsail yard ship all sail set at 7.30 AM spoke the ship Lochawe		
2						from Melbourn bound to London 75 days out		
3						at 10 spoke the ship Imperial from San Francisco sailed		
4						9 days before we found our Chronometer to be out the way 1° 10'		
5						we were 29 41 hrs 28.19 East of St. Paul's Island		
6								
7						Imperial 95 days at Sea Lat by Obs 58 N Long by DR 27 12 W		
8								
9						Sunday Feb 20 th 1870		
10						This day begins with a light breeze from		
11						East to NW, Cloudy, & hot all sail set		
12						at 7 P.M. heavy rain squall, wind at 8 P.M. NNE at 12 midnight		
1						Wind NNE to the remainder of the day ship Imperial &		
2						Lochawe are to leeward of us we rather beat than cloudy weather		
3						Dis 98 miles Lat 2° 19' N Long by DR 27 38 Long by Obs 29 30 W		
4								
5						Monday Feb 21 st 1870		
6						This day begins with a light rain squall all sail set		
7						wind North to NNE Middle & latter part most calm wind		
8						baffling from E to NW & heavy rain showers tanks all full		
9						ends of basin & other & cloudy wind N by E all sail set		
10						Ship Imperial to leeward of us do not see Lochawe		
11								
12						Dis 77 Lat by Obs 3° 34' Long by Act 27 47 West		
						Course. Distance. Diff. of Lat. Departure. Lat. by D.R. Lat. by Ob. Variation. Diff. of Lon. Lon. In. Lon. by Ob.		

JOURNAL, from <i>San Francisco</i> towards <i>Severpool</i> 1870											
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Tuesday Feb 22 nd 1870								
2			This day begins with a light air from the								
3			NNE to North, cloudy & very warm. Middle watch awful								
4			heavy rain wind baffling from NE to NNE very light air								
5			Batter Port light breeze from NNE all sail set, raining								
6			Ship. San General is backward of us.								
7			28.03								
8	98 days		Dis 53. Lat by Obs 4° 18' N. Long by D.R. 28° 43' W								
9											
10			Wednesday Feb 23 rd 1870								
11			This day begins with a fresh breeze from the East								
12			all sail set. First part rainy middle & latter part cloudy								
1			with a very strong breeze from the North at Noon lowered								
2			the Royals & R. Stag Sail Ship San General just her of Top S. Yard								
3											
4	99		Dis 163. N 27° W Lat by Obs 6° 12' N Long by D.R. 29° 43' W								
5											
6			Thursday Feb 24 th 1870								
7			This day begins with a strong breeze from the								
8			NNE & cloudy weather at 5 P.M. a Bark passed & running free								
9			Main Sky Sail set at 7 set Main Royal & Middle & latter part								
10			strong breeze parted Main Top. G. P. Sheet & Main Royal								
11			Hullard's Chet's with cloud fog								
12	100 days at Sea		Lat 8° 43' N Long D.R. 31° 40' W Chm 33° 24' W								
Course.			Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Friday Feb 25 th 1870								
2			This day begins with a strong breeze from the								
3			NE. at 7.15 P.M. lowered Royals Top Gall Staysail								
4			Hizen Top Mast. Stag sail Middle & latter strong								
5			breeze at 7 a.m. set Royals & Stag sail cloudy weather								
6											
7	101		Dis 190. Lat by Obs 11. 13 Long D.R. 33. 35. by Chm 35. 19 W								
8											
9			Saturday Feb 26 th 1870								
10			Still thus 24 hours strong breeze from								
11			thick NE. all sail set very cloudy weather								
12			See a vessel bound in shore to Westward								
1											
2	102 days		Dis 193 Lat 13° 57' N Long by D.R. 35° 20' Chm 37. 07								
3											
4			Sunday Feb 27 th 1870								
5			This day begins with a light breeze from								
6			East & by NE all sail set Middle & latter								
7			part light baffling wind Pleasant weather								
8			with passing clouds quite warm Ends with								
9			light air								
10											
11	103		Dis 125 Lat by Obs 15 57. N Long by D.R. 36° 33'. Chm 38. 00								
12											
Course.			Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

JOURNAL, from *San Francisco* towards *Liverpool* 1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1			Monday Feb. 28 th 1870					
2			This day begins with a light baffling					
3			wind from East to NNW. all sail set. Pleasant					
4			weather large bright clouds passing over. caught					
5			four dolphins this Sunday afternoon					
6			Middle & Latter Part light air from East End S.E.					
7								
8	104		days Dis 48. Lat by Obs 16° 22' N Long DR 36. 57. Chm 38 18					
9								

10			Tuesday March 1 st 1870					
11			This day begins with a very light air					
12			from East Middle & Latter part very light from					
1			North at 5 am. little breeze from N.E. End N.E.					
2								
3	105		Lat by Obs 16° 37' N. Long DR 36 58 W Chm 38 25					
4								

5			Wednesday March 2 nd 1870.					
6			This 24 hours moderate breeze from					
7			NNE to North all sail set at 4 P.M. a Bird passed our					
8			bow bound to the West Indies at 11 P.M. saw a vessel					
9			off of our lee bow bound to the westward large sea from N.					
10								
11	106		days Dis 140. Lat by Obs 18. 56. Long DR 38. 12 by Chm 39. 46 W					
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1			Thursday March 3 rd 1870					
2			This day begins with a fresh breeze from					
3			the NNE, & cloudy weather, all sail set. Middle &					
4			Latter Part, wind ENE. to East, large swell from the Northward					
5			Ends fine, weather with passing clouds moderating					
6	107		Dis 150. Lat by Obs 21° 08' N Long DR 38° 58' Chm 40 32 W					
7								

8			Friday March 4 th 1870					
9			This day begins with a light air from the					
10			East all sail set large swell from the N.W.					
11			Middle & Latter Part wind baffling, Ends, pleasant,					
12			with passing clouds quite warm day times cold nights					
1			See plenty of sea weed to day, wind S.E. a Bark up					
2			to windward of us & a ship a steamer bound to Northward					
3								
4	108		Dis 123 miles Lat 33° 00' N Long by DR 39° 14' N 40. 45					
5								

6			Saturday March 5 th 1870					
7			This day begins with a light air from the S.E.					
8			& pleasant weather with passing clouds all sail set at 10 P.M.					
9			fresh breeze from S to SW heavy Banks rising in SW					
10			& N.E. at 1 P.M. break up at 5 am fresh breeze S.W. course N.E.					
11			sludding sails set both sides					
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
109					21° 28'	1 1/4	39 28		40 16

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			Sunday March 6 th 1870					
2			This day begins with a squall from NNE					
3			braced up to Starboard at 3 P.M. Tacked ship to NW. West					
4			Calm wind NNE, Middle & latter part, light air from NW,					
5			Ends the same large swell from Northward					
6								
7	110		Dis 25 miles Lat by Obs 24° 48' N Long DR 39° 12' W C'm 40 18 W					
8								
9			Monday March 7 th 1870					
10			This day begins with a light air from the					
11			NNE, Middle & latter part very light - pleasant weather					
12			with passing clouds ends calm					
1								
2	111 days		Dis 15 miles Lat by Obs 25° Long by DR 39° 18'					
3								
4			Tuesday March 8 th 1870					
5			This day begins with a light air from					
6			NNE very light two vessels in sight bound to the North					
7			Middle & latter part very light star part of the fine					
8			other times not ends pleasant with passing clouds,					
9			39.27					
10	112 days		Dis 30 miles Lat by Obs 25° 24' Long by DR 39.27 40.43					
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1			Wednesday March 9 th 1870																									
2			This day light air, from N by E large swell																									
3			from the Northward rolls, dry wind all out of the sails																									
4			Middle & latter part very light ends the same																									
5			Two vessels to windward																									
6	113		Dis 28 Lat by Obs 25.43. Long DR 39.47. W C'm 41.05																									
7																												
8			Thursday March 10 1870																									
9			All of these 24 hours Calm																									
10																												
11	114		Lat by Obs. 25.42. Long by DR 39.45																									
12																												
1			Friday March 11 th 1870																									
2			This day begins with a light air from																									
3			E by S. all sail set, fine weather plenty sea weed, &c																									
4			Middle & latter part light air from South to SW																									
5			ends with light breeze from South Studding sail set																									
6																												
7	115		Dis 25 miles Lat by Obs 26° 29' N Long DR 39.55 W C'm 40.5																									
8																												
9			Saturday March 12 th 1870																									
10			This day begins with light breeze from the South																									
11			pleasant weather all drawing sail set																									
12			Middle part wind hauled to the Northward																									
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D. R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																			

JOURNAL, from

towards

1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 *the blowies a gale of wind stowed Top Gall sails*
2 *Main sail & Cross Jack hauled up at 5 Moderate*
3 *set Main sail Cross Jack Main Top Gall Sail*
4 *at 10 P.M. set fore & bygon Top Gall sails &*
5 *main Top Gall stay sail wind North to NNE*
6 *present with squalls*
7
8 *116 days Dis 30 Lat by D.R. 27° 31' Long by D.R. 38° 33' West -*
9

Sunday March 13th 1870

10 *This day begins with a strong breeze*
11 *from E by S to N by N Middle & latter 1/2 strong breeze*
12 *Ends the same pleasant weather at noon Tacked Ship*
1 *NW all day Bark & Top Gall Schooner in company*
2 *with us head sea on ship pitching heavily*
3
4

5 *117 Dis 45 Lat by Obs 28° 09' Long D/R 35° 35' Chm 36° 46' W*
6

Monday March 14th 1870

7 *This day begins with a fresh breeze from S by E*
8 *at 4 P.M. Moderate a little Middle & latter 1/2 light*
9 *air from N to N.E. Ends very near Calm light air from*
10 *the NW The Bark is just to the Eastward of us*
11
12 *118 Dis 81 Lat by Obs 28° 32' Long by D/R 37° 00' Chm 38° 15' W*

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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1 *Tuesday March 15th 1870*
2 *This day begins with a light air from*
3 *the Westward. Spoke the Bark at 5 P.M. we have seen*
4 *for two days past Name Rozco from San Francisco*
5 *Bound to Liverpool. 108 days out at 10 P.M. light*
6 *breeze sprang up from S.W. been increasing ever*
7 *since. pleasant weather with passing clouds*
8

9 *119 days Dis 75 Lat 29° 37' Long D/R 36° 41' Chm 37° 58'*
10 *Barom 30.00*
11

Wednesday March 16 1870

12 *This day begins with a strong breeze*
1 *from SW at 6 P.M. took in the studding sails*
2 *at 2 P.M. stowed Royals at 3. stowed Top Gall sails*
3 *blowing strong & raining at 6 P.M. moderating a*
4 *little set Main Top Gall Sail at 9 set Main Royal*
5 *at 9 P.M. foot of the Fore Top Sail parted split the*
6 *sail up to the head sent it down & put a new one*
7 *Ends strong breeze with rain looking dirty*
8

9 *120 Dis 210 Lat by Obs 33° 07' Long D/R 36° 07' Chm 37° 24'*
10 *Bar 29.57*
11

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18		
1						Thursday March 17 th 1870				
2						This day begins with a strong				
3						Cale from the N. Doubled reefed the Topsail				
4						at 5 P.M. Stowed mainsail & jib Main				
5						most staysail shanking at 8 am at Main				
6						reefed. Strong Cale & heavy squalls present at				
7										
8	121					Dis 180. Lat 35° 43' Long 34° 27' DR. by Chr 35. 50 W				
9										
10						Friday March 18 th 1870				
11						This day begins with a strong Cale from				
12						N.W. heavy sea from the Northward, heavy rain				
1						at 4 P.M. doubled the buoy lower topsail Middle				
2						& Lower Part heavy sea & squall ditto latter at				
3						6 am Moderating set Top Sails Reefed & foresail				
4						Reefed Main sail & jib. pleasant with passing				
5						clouds a Bark to leeward under Reefed Top Sails				
6	122					Dis Lat by 37° 08' Long by DR. 34° 21' Chr 34 44				
7						34 21				
8						Saturday March 19 th 1870				
9						This day begins with a strong breeze				
10						from the N.W. Moderating a little, Sea going down				
11						pleasant weather at 7.30 turned Reefed out of Top sails & Main				
12						sail at 10 P.M. Crossed back & Top Gall Sails Outer jib				
Course.		Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18		
1						At eight am set Royal beam wind or air most				
2						calm hauled to the S.E. Ends with a light breeze from the				
3										
4	123					Dis 95 Lat by DR. 38. 32 Long by DR 33 13 Chr 33 38				
5										
6						Sunday March 20 th 1870				
7						This day begins with a light breeze from				
8						the Southward set studding Sails on Starboard Side at 9 P.M.				
9						Wind hauled to S.E. by S all sail set. Pleasant weather.				
10						Middle & latter Part fresh breeze pleasant at 4.30 am made				
11						Corvo & Flores Islands at 6 am about 30 miles off from the				
12						Westward See to vessels a Stern of us & three to Windward				
1						End fresh breeze from S.S.E. hazy sky				
2										
3	124					Dis 183 Lat by Obs 40° 34' Long DR 30° 45'				
4										
5						Monday March 21 st 1870				
6						This day begins with a fresh breeze				
7						from the S.S.E. all sail set pleasant weather with passing				
8						clouds at 7 am spoke the ship Sarah Grace from Melbourn				
9						23 days out bound to London & at 8 am spoke				
10						the ship Imperial again bound to Liverpool				
11	125					Taring down to day				
12										
Course.		Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
		196			42 47	42 47	26°		27 36	27 50

JOURNAL, from

towards

Liverpool 1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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128

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. In.

Lon. by Ob.

129

62.5

46.10

46.07

29°

20.04

21.28

129

Dis 129

Lat by

Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

129

Dis 129

Lat by

Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

129

Dis 129

Lat by

Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

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Dis 129

Lat by

Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

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Dis 129

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Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

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Obs 46. 54.

Long D. R. 1829.

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Obs 46. 54.

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Obs 46. 54.

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Ch. 19. 03

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Dis 129

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Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

129

Dis 129

Lat by

Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

129

Dis 129

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Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

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Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

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Long D. R. 1829.

Ch. 19. 03

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Obs 46. 54.

Long D. R. 1829.

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Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

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Dis 129

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Obs 46. 54.

Long D. R. 1829.

Ch. 19. 03

129

<

See a Dead Man on the water March 31st 1870

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Monday March 28 th 1870								
2			This day begins with out a breath								
3			of pleasant weather. Three ships might								
4			be calmed the same as a Middle & latter part								
5			Calm Ends with a light air from the Northward								
6											
7			Day's out. Lat by Obs 49° 17' N. Long by Guess 12 10 West								
8											
9			Tuesday March 29 th 1870								
10			These 24 hours begins with a light breeze								
11			from the N.E. Cloudy, sometimes foggy. Middle & latter								
12			part Calm Ends with a light air from the Northward								
1			all sail set plenty vessels a round								
2											
3			Dis 31 Lat by Obs 49° 06' Long by DR 10.50 by Chron 11° 08'								
4											
5			Wednesday March 30 th 1870								
6			This day begins with a fresh breeze								
7			from the N.E. & cloudy weather after wise pleasant								
8			12. midnight wind East Tacked Ship to N.E.								
9			Middle & latter Calm. Ends light breeze from								
10			N.E. N. all sail set. Sky Cloudy, see three ships								
11			or vessels to windward of us								
12											
Course.			Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
134			70	5 09	551	49 15	49 12	28°		9.55	
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Thursday March 31 st 1870								
2			This day begins with a light breeze								
3			from the N.E. & pleasant weather. Middle part Calm								
4			latter part light breeze from the Southward, about								
5			quite warm at noon passed by a Dead Man, float-								
6			ing on the water, face downward hair all off								
7			his head, left foot gone & the body sticking out								
8			as if to look at worst condition I ever see a								
9			human being in yet								
10											
11			Lat by Obs 49.42 N. Long 8.° 56 N. DR. W								
12			Friday April 1 st 1870								
1			This day begins with a light breeze								
2			from the Southward, & pleasant weather. Middle								
3			& latter part very light S.E. Ends the same								
4											
5			Lat by Obs 50 24, DR 50 25 Long DR 8. 19 W								
6											
136			Saturday April 2 nd 1870								
7			These 24 hours light breeze from								
8			North to N.E. Ends the same. Cloudy weather								
9			or all sail set but does no good								
10											
11											
12											
Course.			Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
137						50 28				8. 00 W	

Thos. G. Knight, Stationer and Blank Book Manufacturer. Bath, Me.

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	3		days	Saturday April 9 th 1870		This morning wind SSW & cloudy at 7 commenced to rain, Showers all day, sent down our Royal guards, sent up main deck Ball yard		
2						Received two letters from home		
3	4		days	Sunday April 10 th 1870		This day a strong wind from the WSW with rain showers, washed decks in the morning been onboard all day very cold weather		
4								
5	5		days	Monday April 11 th 1870		This morning cloudy some rain N.W. painted the ship & round out side		
6								
7	6		days	Tuesday April 12 th 1870		Cloudy in the morning WNW & W washed decks & pumped ship & cloudy all day noon SW cold not doing much of anything to day		
8								
9	7		days	Wednesday April 13 th 1870		Wind very light - hove up anchor towed into Princes Basin cleared up decks in evening went to shore		
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JOURNAL, from *Harbor House* towards *Line of Road*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1	7		Wednesday April 20 th 1870																									
2			Pleasant day men employed sowing																									
3			up Bag. Discharged 3095 Bag ^s wheat																									
4																												
5			Thursday April 21 st 1870																									
6			Pleasant weather Discharged 3,660 Bag ^s																									
7			Men at work sowing up Bag in hole. Gr ^{nt} Total act 19080																									
8																												
9			Friday April 22 nd 1870																									
10			Strong breeze from Northward Discharged 3305																									
11			Men all employed at sowing up Bag																									
12																												
1			Saturday April 23 rd 1870																									
2			Strong wind from Northward &																									
3			Discharged 2053 Bag ^s wheat Total Delivery 154,38 Bag ^s																									
4			Washed Deck																									
5			Sunday April 24 th 1870																									
6			Strong wind from NW. & cold & cloudy																									
7																												
8			Monday April 25 th 1870																									
9			Wind to the NW. pleasant weather with passing clouds																									
10			Discharged 2715 Total Bag ^s got nearly killed by the																									
11			donkey's Engine fall caught him broke his arm & tore his side																									
12			all to pieces happened about 4.30 P.M.																									
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D.R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																			
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1			Tuesday April 26 th 1870																									
2			Wind to the NW & cloudy rather cold																									
3			No Cargo discharged to day																									
4			Wednesday																									
5			Thursday April 27 th 1870																									
6			Discharged 1477 Bag ^s wheat 195.10 Bag ^s																									
7			Cold windy weather Wind NW																									
8																												
9			Thursday April 28 th 1870																									
10			Discharged 1410 Bag ^s wheat																									
11																												
12			Friday April 29 th 1870																									
1			Discharged 2,221 Bag ^s wheat																									
2			Total act 23201 Bag ^s																									
3			Saturday Apr 30 th 1870																									
4			Discharged 1666 Bag ^s wheat																									
5			Total act 24867 Bag ^s																									
6			Sunday April 1 st 1870																									
7			Cold windy weather but pleasant																									
8			Monday April 2 nd 1870																									
9			Discharged 2973 Bag ^s wheat Total 27845																									
10			Tuesday April 3 rd 1870 2082 " " 29927 Bag ^s																									
11			Wednesday April 4 th 1870																									
12			Took in 50 tons Ballast																									
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D. R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																			
Discharged 40.00 ft boards																												

JOURNAL, from

towards

Harbor Journal in Liverpool 1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	22		Thursday April 5 th 1870					
2			Discharged 1440 bags wheat Total 31367 kg					
3			Hauled Ship across the Dock					
4								
5	23		Friday May 6 th 1870					
6			Commenced to wash ship pleasant					
7								
8	24		Saturday May 7 th 1870					
9			Washing Ship all the forenoon & have 6000					
10								
11	25		Sunday May 8 th 1870					
12			Pleasant weather but happy went to church					
1								
2	26		Monday May 9 th 1870					
3			Cleaning up the ship inside					
4								
5	27		Tuesday May 10 th 1870					
6			Discharged 2628 feet boards cleaning ship					
7	28		Wednesday May 11 th 1870					
8			Washed down decks washed of the boards					
9			in the hole scrubbed of the tween decks with potash					
10	29		Thursday May 12 th 1870					
11			Pumped out ship in the morning					
12			Washed out the lower hole in the forenoon both in					

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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20 tons of salt filling up the air streaks blowing

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	30		Friday May 13 th 1870			Chartered the ship for Boston		
2			Salting the ship blowing a gale					
3			still from SW					
4	31		Saturday May 14 th 1870					
5			Finished salting in the hole Wind NWS					
6	32		Sunday May 15 th 1870					
7			Pleasant but windy					
8	33		Monday May 16 th 1870					
9			Wind to the Westward pumped ship					
10			out in the morning. Cleared up the hole passed cargo					
11			thing into tween decks &c					
12								
1	34		Tuesday May 17 th 1870					
2			Finished salting the ship men					
3			at work various jobs Strong Gale from the NW					
4			Black varnishing the ship outside					
5								
6	35		Wednesday May 18 th 1870					
7			Washed down decks in the morning					
8			finished Black varnishing &c Wind NW a lot cloudy & cold					
9	36		Thursday May 19 th 1870					
10			Hauled ship up the dock on East side					
11			commenced to take in cargo from strong wind from SW					
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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1870

JOURNAL, from

towards

Harbor Journal in Liverpool 15

H.	K.	1/2K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1	37					Friday May 20 th 1870																						
2						Strong breeze from the S.W. quite																						
3						Taking in soon for coals Ten men on board going																						
4																												
5	38					Saturday May 21 st 1870																						
6						Washed down decks swept up																						
7						decks, painting ship outside water ways																						
8						etc Taking in Coals Very warm day																						
9																												
10	39					Sunday May 22 nd 1870																						
11						Pleasant day but windy																						
12	40					Monday May 23 rd 1870																						
1						Washed down decks in the morning																						
2	41					Tuesday May 24 th 1870																						
3						Light breeze & fine weather receiving																						
4	42					Wednesday May 25 th 1870																						
5						Pleasant day, Wind N.W. Receiving																						
6						iron, Rags Soda ash &c																						
7	43					Thursday May 26 th 1870																						
8						Pleasant weather, Receiving C																						
9						the forenoon,																						
10	44					Friday May 27 th 1870																						
11						Washed down decks in the mor																						
12						Received 20 bales Rags, pleasant weather wind S																						
<table><tr><td>Course.</td><td>Distance.</td><td>Diff. of Lat.</td><td>Departure.</td><td>Lat. by D. R.</td><td>Lat. by Ob.</td><td>Variation.</td><td>Diff. of Lon.</td><td>Lon. In.</td><td>Lon.</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon.																			
H.	K.	1/2K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1	45					Saturday May 28 th 1870																						
2						Pleasant day wind South																						
3						some cargo iron & rag & slate &c																						
4																												
5	46					Sunday May 29 th 1870																						
6						Forenoon pleasant afternoon																						
7	47					Monday May 30 th 1870																						
8						Receiving cargo, cloudy, looking																						
9						wind to the Southward rain in afternoon																						
10	48					Tuesday May 31 st 1870																						
11						Received some cargo Salt,																						
12						Wides & Ring in the forenoon pleasant afternoon																						
1																												
2	49					Wednesday June 1 st 1870																						
3																												
4	50					Thursday June 2 nd 1870																						
5						Pleasant day. Received & anchored																						
6						chain on board Taking in cargo																						
7						Went on shore afternoon																						
8	51					Friday June 3 rd 1870																						
9						Pleasant day wind S.W. Taking in																						
10						Men employed at ship duty																						
11	52					Saturday June 4																						
12						Taking in Cargo washed down																						
<table><tr><td>Course.</td><td>Distance.</td><td>Diff. of Lat.</td><td>Departure.</td><td>Lat. by D. R.</td><td>Lat. by Ob.</td><td>Variation.</td><td>Diff. of Lon.</td><td>Lon. In.</td><td>Lon.</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon.																			

towards

off Harbor Journal towards *in Lower part*

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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Left Liverpool June 18th 1870 53

JOURNAL, from *Liverpool* towards *Boston*

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18					
1			Sunday June 19 th 1870										
2			This day begins with a fresh breeze from the N S W										
3			all sail set 7.15 P.M. Pilot left us at 9 P.M. Skerries light-bore										
4			N.W. Dis 9 miles At 12.30 Lady head bore S S W Calf of Man bore N S E										
5			At 7 A.M. Rock bill light-house bore West, Dis 12 miles At										
6			9 am Tacked ship to S S E. at 11 am Squared away up North										
7			channel Steering N N E. Strong breeze from S S W Slowed for Doyle Bay										
8			Lat 53° 44' Bar 29° 90										
9			Monday June 20 th 1870										
10			At 6 P.M. South Rock light-bore N N W Dis 4 miles										
11			At 9 P.M. Copeland light-bore W 1/2 S Dis 8 miles at 12 midday										
12			Marden's Island light-bore N S W at 7 am Rathlan light-bore										
1			S 1/2 E. At 8.30 Tacked ship to S W at noon Tacked ship to N W										
2			at noon Rathlan Island bore S E 1/2 E Dis 10 miles Bar 30° 00										
3													
4			Tuesday June 21 st 1870										
5			This day begins with a fresh breeze from										
6			the N S W & a heavy squall at 4 P.M. Tacked ship at 12 mid										
7			night Overcast light-bore E 1/2 S. at 10 am Split fore & by										
8			Lat 53.56 Long 8 55 West Bar 30° 00										
9			Wednesday June 22 nd 1870										
10			Strong breeze from N S W heavy sea S W										
11			Hoveed Royals Call Staysail abates Dis at 8 P.M. at 10 P.M.										
12			Slowed fore Top Gall Sails & Mizen at 2 A.M. Main S. S. S. Cross Jack										
Course.			Distance.	Diff. of Lat.	Departure.	Lat by D.R.	Lat by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.		
			Heavy sea Wind at noon N N W Lat 53.34 Long 11° 20 West.										
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	Bar.	30° 108				
1			Thursday June 23 rd 1870										
2			This day begins with a strong breeze from N N W										
3			at midnight Wind N W to N N W. Latter part more moderate										
4			set Cross Jack & Top Gall Sails Outer Jib Ends Cloudy										
Bar 30° 96			Scrubbing paint-work Lat by Obs 56 54 Long 12 48										
6			Friday June 24 th 1870										
7			Wind N N W to West Tacked ship at 12.30 P.M.										
8			Scrubbing paint Tacked ship at 4 P.M. to West & S. Rainy										
9			day. Lady stowed the Top of after-house ends fresh breeze & Cloudy										
10			Bar 30° 15 Lat by Obs 55 56 Long 13 20										
11			Saturday June 25 th 1870										
12			7 days out This day begins with a fresh breeze from the N by W										
1			& cloudy weather Middle part more Moderate sea gone down										
2			Scattered Part fresh breeze from W N W cloudy weather										
3			Bar 30° 32 Lat by Obs 53 03 Long 17.40										
4			Sunday June 26 th 1870										
5			This day begins with a fresh breeze & cloudy										
6			8 days out Wind N W to N N W. Middle & Latter part more moderate										
7			Bar 30 35 Lat by Obs 50° 32 Long 19° 37 W										
8			Monday June 27 th 1870										
9			These 24 hours moderate breeze & cloudy Middle										
10			Part wind North 11.30 night all a steamer stand to the										
11			7 days out Eastward at 7 am Passed a Bark standing on to the Westward										
12			all sail set & pleasant wind to the North										
Course.			Distance.	Diff. of Lat.	Departure.	Lat by D.R.	Lat by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.		
			Bar 30° 38 49° 30 N 23° 10 W										

JOURNAL, from

Lowerpool

towards

Boston 1870

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	1870		
1						Tuesday June 28 th 1870				
2						This day begins with a moderate breeze & fine weather				
3						being cloudy all sail set and wind from North to NNE Middle				
4	10	cut-				light baffling wind & a ship to leeward end				
5						with pleasant weather wind hauling around to South				
6						Bar 30.24 Lat by Obs 49° 11' N R 42.18 Long by Ch 25 43 W				
7						Wednesday June 29 th 1870				
8						This day begins with a fresh breeze from the				
9						& fine weather all sail set & Studding sails & Clearing XGN				
10	11	cut-				at 11 P.M. took in studding sails braced up the yards wind				
11						SW by S cloudy & rather part strong breeze & knots sailing				
12						ends the same wind SSW				
1						Bar 30.22 Lat by Obs 48° 32' N R 29.25 Ch 28 23				
2						Thursday June 30 th 1870				
3						Commences with a strong breeze & fine weather				
4						at 3.15 P.M. Stowed Royals & Royals S S & Top Gall S sail				
5						At 5.30 stowed Outer Gib & Mizen Top Gall S sail				
6						Middle part Moderate nasty Sea on at 8.40 a.m.				
7						Set Top Gall Sails outer Gib & Main Royal brace fresh				
8						Bar 29.98 Lat by DR 47 53 Ch 47.59 SR 34.14 W				
9						Friday July 1 st 1870				
10						This day begins with a fresh breeze from				
11	13	(very foggy)				SW at 7 P.M. braced hauled to NW clearing up light				
12						wind till 11 Middle most calm & rather fresh breeze from South				
Course.		Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					47 51				36.54 W	SSW 70 58

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18		
1						Saturday July 2 nd 1870				
2						This day begins with a fresh breeze from the				
3						& foggy weather all sail set at 3 P.M. stowed Royals				
4						& Top Gall & Main Royal stay sails at 4 P.M. wind WSW				
5						at 5.30 P.M. Stowed Fore & Mizen Top Gall Sails &				
6						Reefed Main sail Thick fog all night at 7 am				
7						turned out Reef of Mainsail at 12 Stowed M S Gall S				
8						Bar 29.90 Lat DR 48 23 Long DR 39 44 W				
9						Sunday July 3 rd 1870				
10						This day begins with a fresh Gale from				
11	15					the WSW and Thick fog at 5 P.M. Reefed				
12						Top sail at 7 folded Mainsail at 8 P.M. wore ship				
1						to SW. Raining all night Bar at 10 P.M. 28.80				
2						at 4 P.M. turned out Reef set Mainsail Top Gall S				
3						Outer Gib at 8.30 A.M. split Fore Top Gall Sail fixed				
4						it & Mizen also Bar at noon 30.00				
5						Long DR 40.38 Lat by Obs 47.19 N Long by Ch 38 34 W				
6						Monday July 4 th 1870				
7						This day begins with a fresh breeze from the				
8						Westward 4.15 P.M. bent a fore Top Gall sail &				
9	16					set it Middle part Raining Light Part fine				
10						with light breeze from the North all sail				
11						at Bar 30.80				
12										
Course.		Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					46 51	46 43			40 50	38 50

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1	26 days		Thursday July 14 th 1870																										
2						begins with a fresh breeze from the																							
3						all sail set Middle part fresh breeze & clear																							
4						Latter Part light breeze & foggy Ends Calm																							
5						Lat by Obs 42° 44' Long Chs 63.49 West 65° 27'																							
6	27 days		Friday July 15 th 1870																										
7						begins with a fresh breeze from W																							
8						Middle & Latter Part thin foggy Ends thick																							
9						Rogals in & Starsails																							
10						Lat by IR 43° 39' N Long IR 57.42																							
11	28 days		Saturday July 16 th 1870																										
12						begins with a fresh breeze from the																							
1						at 8 P.M. Tacked ship to SW. Thick foggy																							
2						at 5 a.m. passed Steam Ship bound to Eastward																							
3						Bar 30.00 Lat Obs 43° 12' Long IR 59.08 Ch 56.55																							
4	29 days		Sunday July 17 th 1870																										
5						This day begins with a fresh breeze from																							
6						westward as usual at 5 P.M. Tacked ship to																							
7						SW by S. Middle Part wind NW Latter Part Calm																							
8						Bar 30.8 Lat by Obs 42° 26' Long IR 60.15 Ch 57° 31' West																							
9	30 days		Monday July 18 th 1870																										
10						This day begins with a light air from SW																							
11						5 P.M. Raining & blowing hard Slowed																							
12						Rogals Flying Lib Top Gall Sails Crossed																							
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure</th><th>Lat. by D. R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1			3 P.M.			Middle & Latter Part Moderate breeze from																							
2						SW. End the Sun set Call Sails Out for Crossed																							
3						Lat by 42° 51' Long IR 62.18 59.34 West																							
4	31 days		Tuesday July 19 th 1870																										
5						begins with a light breeze from the SW & foggy																							
6						Middle & Latter Part light breeze Tacked ship to NW																							
7						At 5.30 a.m. Tacked to NW by N. 8 a.m. set all sail																							
8						Three ships in sight I bound to westward																							
9						Bar 29.20 Lat Obs 42° 56' Long Chs 59° 56' IR 63.28																							
10	32 days		Wednesday July 20 th 1870																										
11						begins with a moderate breeze from East																							
12						all sail set One Ship in sight Raining ship & c																							
1						Bar 30° 20' Lat Obs 42° 36' Long IR 66.19 Ch 62.27																							
2	33		Thursday July 21 st 1870																										
3						begins with a fresh breeze from SE. Middle & Latter																							
4						part the same & fine weather Latter part wind SSW ends																							
5						with SW by S wind & fine ambient Sludding sail put the a way																							
6						Bar 30.10 Lat by Obs 42° 31' Long Chs 65.24 W 67° 00' IR																							
7	34 days		Friday July 22 nd 1870																										
8						begins with a fresh breeze from the SW by S. &																							
9						foggy at 7 a.m. Slowed Rogals & Starsails 3 P.M. Windy																							
10						hauled to NW 2. Tacked ship at 3 P.M. Latter Part																							
11						clear with fine breeze Raining see 4 schooner																							
12						Lat by Obs 42.38 N Long 68.26 West IR 68 55 and																							
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D. R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				

55

Thos. G. Knight, Stationer and Blank Book Manufacturer, Bath, Me.

towards

Thos. G. Knight, Stationer and Blank Book Manufacturer, Bath, Me.

Ship of. Rogers arrived at N. York Sept 9th 1870

JOURNAL, from <i>Swedish</i> towards <i>Green Land from Sowerport</i>																													
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1			<i>Sunday 4th</i> At 3 a m took in the Main Lower Topsail																										
2			Laying under bare poles that Gale under bare																										
3			poles Eight hours & put the Main Topsail to																										
4			pieces 5 ft & fore Topmast stayed 9 a m bent																										
5			New Main Topsail & fore Topmast stayed made																										
6			sail at noon fair wind & clear																										
7			<i>Monday Sept-5th 1870</i>																										
8			1 a m thick fog on the ship all night																										
9			by soundings at 10 a m leave the ship to																										
10			the chase ship 9 miles from Patrigo Island																										
11			just where we thought we was at 1. beached																										
12			for near the wharf to wait for the tide to go																										
1			in to the wharf fished the sails men all left																										
2																													
3																													
4			<i>Tuesday Sept-6th 1870</i>																										
5			<i>Wednesday 7th</i> At work stowing away provision &c																										
6			<i>Thursday Sept 7th 1870</i> Discharged ballast 15 day																										
7			Towed up to the buoy & moored ship																										
8			commenced to load <i>Sept-7th 1870</i>																										
9			<i>Thursday Sept-8th 1870</i>																										
10			Pleasant weather stowing provision &c																										
11			<i>Friday Sept-9th 1870</i>																										
12			Pleasant weather clearing up between decks																										
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D. R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1			<i>Saturday Sept 10th 1870</i>																										
2			Wind SW & foggy afternoon rainy																										
3			stowing away dunnage																										
4			<i>Sunday Sept 11th 1870</i>																										
5			Pleasant weather Wind NW																										
6			Ship Northampton sailed for L. port																										
7			On board ship all day																										
8			<i>Monday Sept 12th 1870</i>																										
9			Pleasant day Wind NW at work make																										
10			ing pin rails stowing away dunnage &c																										
11			<i>Tuesday Sept 13th 1870</i>																										
12			Pleasant day Wind in the morning NW																										
1			afternoon SE. Getting up head gear																										
2			<i>Wednesday Sept 14th 1870</i>																										
3			Pleasant weather Washed decks in morning																										
4			<i>Thursday Sept 15th 1870</i>																										
5			Pleasant Wind SSW evening set in																										
6			foggy																										
7																													
8			<i>Friday Sept 16th 1870</i>																										
9			Set in Raining at 7 a m Wind NE																										
10			Raining all day																										
11			<i>Saturday Sept 17th 1870</i>																										
12			Pleasant Wind SE																										
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				

16 Days Sailing at St. Johns

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Sunday Sept 18 th 1870		
2						Pleasant day, Wind S.E.		
3						Monday Sept 19 th 1870		
4						Last night blew a gale from east		
5						This morning pleasant Wind about N.W.		
6						Tuesday Sept 20 th 1870		
7						Pleasant Wind N.W. Reembarked six		
8						bb. Bread & 12 lb. potatoes $\frac{1}{2}$ lb. mace		
9						& bundles cod fish		
10						Wednesday Sept 21 st 1870		
11						Pleasant day taking on deck load		
12						Three Golden went home to day		
1						Thursday Sept 22 nd 1870		
2						Finished taking in cargo 5.30		
3						Standard or 1,086.820 feet		
4						Friday Sept 23 rd 1870		
5						Pleasant weth. Wind S. to S.E. & S.W. & getting		
6						Ship ready for sea at night - all ready		
7						Saturday Sept 24 th 1870		
8						Pleasant: & calm air from the South		
9						& afternoon foggy very thick		
10						Sunday Sept 25 th 1870		
11						Very pleasant calm air from the Southwest		
12						Monday Sept 26 th 1870		

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1						Unmanned ship at 9 am Towed down the		
2						Bay & came on board made sail & proceeded		
3						on 12 hours winds This day of 12 hours to come		
4						Tuesday Sept 27 th 1870		
5						Moderate westerly wind fine weather at 8 PM Point to pro		
6						Whitehorn N.W. distance 12 miles At 4 am Swallow Tail light		
7						on Grand Manan bore N.W. 12 miles Tacking every four hours through Hdg		
8						Wednesday Sept 28 th 1870		
9						Begins with fresh breeze from S.W. & foggy		
10						At 11 PM Carnet Rock light bore N.W. 12 miles		
11						Lat. by Obs 43.53. Long by Chro 66.45 West		
12						Thursday Sept 29 th 1870		
1						Begins with moderate breeze from N.W.		
2						Ends with light breeze		
3						Lat. by Obs 42.50 Long S.R. 65.26 West		
4						Friday Sept 30 th 1870		
5						Begins Pleasant - Wind N.W. by W. at 11 PM.		
6						Wind hauled to E.S.E. & S. ends. Blowing fresh		
7						Lat. by Obs 43.45 N Long S.R. 65.04 Chro 65. W		
8						Saturday Oct 1 st 1870		
9						Begins with moderate Cal. Reefed Top sails		
10						At 6 PM furled main sail at 8 Tacked ship		
11						to East. At 8 S.E. ends with fresh Cal & Rain		
12						Lat. by D.R. 40.57. Long D.R. 63.20 W		

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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4140

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1			Sunday Oct 2 nd 1870																									
2			This day begins with a fresh Gale from SW hawling to West.																									
3			and heavy Rain at intervals. Middle Part Wind NW																									
4			Latter Part Wind NE Set Main Sail																									
5			Lat by Obs 41 56 N. Long DR. 59.13 W																									
6			Monday Oct 3 rd 1870																									
7			These 24 hours Moderate breeze from the NE turned																									
8			out reefs of Top sails & Main sail set main & E Sail																									
9			Ends the same clouds																									
10			Lat by Obs 41 01 N Long DR 53.53 by Chron 57.10																									
11			Tuesday Oct 4 th 1870																									
12			These 24 hours begins with light breeze from E by N																									
1			N-12 Wind SE. Tacked ship to ENE																									
2			Lat 41 02 DR Long by DR. 56.08 West.																									
3			Wednesday Oct 5 th 1870																									
4			These 24 hours begins with fresh breeze from S.W.																									
5			Reefed Top sail at 1 P.M. & furled main & d																									
6			spanker at 6 P.M. wind West. at 8 a.m.																									
7			light breeze from NE. set Top sails spanker & jib																									
8			Lat by DR. 41.45 Long by DR. 52.10 W																									
9			Thursday Oct 6 th 1870																									
10			This day begins with a fresh breeze from the WNW &																									
11			cloudy weather. Middle Part Wind NE. Latter Part NW																									
12			Lat by Obs 42 25 Long by DR. 48 35. by Chron 49.48 W.																									
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Course.	Distance.	Diff. of Lat.	Departure.	Lat by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																			
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																				
1			Friday Oct 7 th 1870																									
2			Begins with a fresh breeze from the NW & Cloudy																									
3			weather at 6 P.M. Stowed Top Call. Sail flying jib Reefed																									
4			Nigger Top sail at 3 a.m. Reefed Fore & Main Top sails & spanker																									
5			at 10.30 Stowed Mainsail & Main jib. Wind NNE & Squally																									
6			Lat by DR. 42 55 Long by DR. 45 00 W																									
7			Saturday Oct 8 th 1870																									
8			These 24 hours fresh Gale from the NWN with rain																									
9			squalls at 11. turned out one Reef of Main Top sail																									
10			Lat by Obs 43 28 N Long by DR. 40 51 by Chron 41.18																									
11			Sunday Oct 9 th 1870																									
12			All these 24 hours. Moderate breeze from the NW at 8 a.m.																									
1			set Main Top Call Sail jib & spanker																									
2			Lat by Obs 44 10. Long DR. 37.21 W																									
3			Monday Oct 10 th 1870																									
4			These 24 hours begin with a moderate breeze from West																									
5			at 6 P.M. Wind SW at 2 a.m. SE. at 9.30 NNE Tacked																									
6			Ship to E by S & at 2 a.m. Wind North & cloudy some Rain																									
7			Lat by DR. 44 47. Long DR. 36.6 W																									
8			Tuesday Oct 11 th 1870																									
9			This 24 hours begins with fresh breeze from NNE																									
10			& pleasant - see three vessels steering to Westward																									
11			at 8 a.m. set Top Call Sail main																									
12			Lat by Obs 45 02 Long DR 33 36 West																									
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Course.	Distance.	Diff. of Lat.	Departure.	Lat by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																			

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			Tuesday Oct 12 th 1870								
2			All these 24 hours fresh breeze from the N.W. all sail								
3			Leat by Obs 45° 41' Long by D.R. 29° 48' Chro 21° 00'								
4			Wednesday Oct 13 th 1870								
5			All these 24 hours fresh breeze from N. to N.W. all sail								
6			Leat by Obs 46° 40' Long by D.R. 26° 46' by Chro 27° 30'								
7			Thursday Oct 14 th 1870								
8			All these 24 hours light baffling wind from								
9			N.E. to S.E. by 2 all sail set squally ends pleasant								
10			Leat by Obs 46° 50' Long D.R. 24° 02' by Chro 41°								
11			Friday Oct 15 th 1870								
12			begins with a light breeze from the Northward								
1			8 P.M. wind North furl'd mainsail fore Top & Cr								
2			Mizen Top Gall & Upper Top sail Gib strong breeze								
3			Leat by Obs 47° 46' N Long D.R. 20° 11' by Chro 21° 11'								
4			Bar 30° 00'								
5			Saturday Oct 16 th 1870								
6			begins with the Pleasant Gale from West at 6 P.M.								
7			Mowed Main Top Gall Sail 7. Mowed Mizen lower								
8			M Main Upper Top Sail Strong Call 11. Sheet fore								
9			Top sail at 4 am wind N.W. see a ship steering								
10			Leat by Obs 48° 54' Lon Chro 16° 46' D.R. 15° 18' East by								
11			Monday Oct 17 th 1870								
12			This day begins with a Gale from N.W. & a heavy sea, squally at times								
Course.			Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18			
1			4 P.M. Mizen lower Top sail I am turned								
2			out and Reel out of Top sails & set Gib & Spanker main								
3			Top mast staysail & am set mainsail quite moderate								
4			10 set foremast Top sail & m. Top Gall sail Wind N.W.								
5			Leat by Obs 49° 33' Long by D.R. 11° 16' by Chro 12° 55' W								
6			Tuesday Oct 18 th 1870								
7			This day begins with a light breeze from W.W. at 9								
8			sets in strong breeze from S.W. 2. am strong Gale								
9			furl'd upper Top sails Mizen lower Top sail at 5								
10			am furl'd fore sail at 11.20 furl'd fore lower Top sail								
11			of fore Top mast staysail & hoist her two head & C								
12			Leat by D.R. 50° 45' Long D.R. 8° 08' by Chro 9° 39' from Chro 9°								
1			Wednesday Oct 19 th								
2			This day begins with a whole Gale from the S.W.								
3			at 7.30 wind N.W. kept her off before it steering								
4			towards the land so as to get a departure for Landy I								
5			at times clear thin cloudy at 9 P.M. set fore lower Top sail								
6			at 10 m set fore sail at 4. Wind continuing to Southward								
7			Rainy & squally. Haul'd up fore sail & hoist her two again								
8			at 5. all hands taken fore lower Top sail furl'd it and fore sail								
9			Heavy squalls with rain ends pleasant but cloudy & heavy								
10			Leat by Obs 51° 19' Long D.R. 6° 17' by Chro 7° 55' W								
11			Thursday Oct 20 th 1870								
12			This day begins with a whole Gale from the Westward								
Course.			Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

Thos. G. Knight, Stationer and Blank Book Manufacturer

25 Days

JOURNAL, from <i>S. John</i> towards <i>Penarth Roads 2870</i>																													
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1						At 5 PM Shipped some heavy seas close in the bow by back																							
2						home & started beside of the deck load at 8 PM more																							
3						moderate breeze on Bar 28.12 at 12 midnight																							
4						squared away at 11.30 A.M. made Lundy Island																							
5	25 days					Bearing $\text{N} 2^{\circ} \text{E}$ Dis 15																							
6						Friday Oct 21 st 1870																							
7						This day begins with a whole Gale from NW																							
8						at 2 pm under the lee of Lundy Island have two for																							
9						a Pilot one spoke us. would not come onboard it blew so																							
10	25 days					hard & such a sea running at 4 PM Lundy bore NW by N																							
11						Dis 6 miles at 5 PM run NW by ENE then home two																							
12	Passage					NNE at 12 Lundy bore West 18 mile off from light																							
1						bore SW by S Dis 6 miles filled a way to keep off shore home																							
2	Passage					two at 1 PM at 4 AM Nashes light bore NE squared																							
3						away steering up Channel at 4.30 took a pilot at 6 o'clock																							
4						came at anchor outside of Penarth Roads. Tied																							
5						sails Riced in Gibbourn closed up decks fine weather																							
6						So ends this day of 36 hours																							
7						Saturday Oct 22 nd 1870																							
8	1 Day					This day Wind NW by S some rain Capt came on																							
9						board 5.30 No letters got orders for Bristol																							
10						Sunday Oct 23 rd 1870																							
11	2 "					Blowing a gale from NW raining 6 PM Wind NW																							
12						blowing hard all night gave us 75 fathom chain																							
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D.R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				
H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18																					
1	3..					Monday Oct 24 th 1870																							
2						5 AM Blowing Gale still Norwidge ship dragged down																							
3	Bar 28.72					by our bow 3.30 she shipped both anchors going to sun her																							
4						on the mud blew one of her topsail in to ribbons																							
5	4					Tuesday Oct 25 th 1870																							
6						At 9.30 have short took steam light & towed up to																							
7						Bristol at 1 PM arrived in beam at 1 PM got fast in																							
8						our berth very pleasant weather crew left but 4.																							
9	5					Wednesday Oct 26 th 1870																							
10						Commenced to discharge Cargo cloudy weather with																							
11						showers of rain & hail																							
12	3					Thursday Oct 27 th 1870																							
1						Rainy day Wind NW washed down decks																							
2	4					Friday Oct 28 th 1870																							
3						Rainy day.																							
4	5					Saturday Oct 29																							
5						Still Rainy Capt went to Cardiff																							
6	6					Sunday Oct 30 1870																							
7						Pleasant day Cook & Steward gone all																							
8						day																							
9	7					Monday Oct 31 st 1870																							
10						Washed down decks Rainy Frank left																							
11						Capt - Came on board Chartered for Newcastle																							
12						from																							
<table><tr><th>Course.</th><th>Distance.</th><th>Diff. of Lat.</th><th>Departure.</th><th>Lat. by D.R.</th><th>Lat. by Ob.</th><th>Variation.</th><th>Diff. of Lon.</th><th>Lon. In.</th><th>Lon. by Ob.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.																				

Harbor Journal in Bristol

JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	8		Day's	Tuesday Nov 1 st	1870			
2						Pleasant day Wind North work at odd jobs		
3	9			Wednesday Nov 2 nd				
4						Very foggy Wind to the Eastward		
5	10			Thursday Nov 3 rd		Commenced to paint Ships		
6						Still foggy Wind to S.E. painting Ships		
7						Received a letter from home		
8	11			Friday Nov 4 th	1870			
9						Still foggy Wind to Southward & westward		
10						washed down decks in the morning then		
11						went on painting Ships		
12	12			Saturday Nov 5 th	1870			
1						Pleasant day finished painting the		
2						bends Wind S.E.		
3	13			Sunday Nov 6 th	1870			
4						Pleasant weather		
5	14			Monday Nov 7 th	1870			
6						Pleasant day Wind S.W. painting Ships went		
7	15			Tuesday Nov 8 th	1870			
8						Wind Eastly painting Ships		
9	16			Wednesday Nov 9 th	1870			
10						Pleasant day finished painting		
11	17			Thursday Nov 10 th	1870			
12						This morning very cold froze ice few spots of snow		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
					Wind N.E.				

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1	18			Friday Nov 11 th	1870			
2						Pleasant day Wind N.E. Stowing away provisions		
3	19			Saturday Nov 12 th	1870			
4						Pleasant weather heavy frost - fell last night		
5	20			Sunday Nov 13 th	1870			
6						Cloudy day Wind W by N		
7	21			Monday Nov 14 th	1870			
8						Pleasant day. Finished discharging at		
9						3 P.M. haw led in to Bristol basin at 5.30		
10	22			Tuesday Nov 15 th	1870			
11						P.M.		
12						Pleasant day at 10.30. cast & towed out of the		
1						Basin & proceeded down River toward Cardiff		
2						ran her on the mud at 2 P.M. at 8 P.M.		
3						let the Starboard anchor drop 15 fathom chain		
4				Wednesday Nov 16 th	1870			
5						Pleasant day lay on the mud		
6				Thursday Nov 17 th	1870			
7						At 9 a.m. Pilot came on board. Hove		
8						up anchor towed up to the Bear head		
9						at 12.30 went in to the basin at 6. towed		
10						into dock made fast at 6.40.		
11				Friday Nov 18 th	1870			
12						Pleasant day laying doing nothing		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

Harbor Journal in Cardiff

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JOURNAL, from

towards

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			Saturday Nov 19 th 1870					
2						Cloudy day some rain Wind S.E.		
3						commenced to discharge Ballast		
4			Sunday Nov 20 th 1870					
5						Rainy day		
6			Monday Nov 21 st 1870					
7						Rainy day Discharging Ballast		
8			Tuesday Nov 22 nd 1870					
9						Still raining & blowing commenced to		
10						take in iron		
11			Wednesday Nov 23 1870					
12						Rainy wind S.W. taking in iron		
1			Thursday Nov 24 th 1870					
2						Rainy taking in iron hauled Ship ^{a load} 30 feet		
3			Friday Nov 25 th 1870			Bar 29.20		
4						Pleasant day taking in iron		
5						hauled Ship at 5 PM Towed to a Bark		
6			Saturday Nov 26 th 1870					
7						Pleasant weather Washed down decks		
8			Sunday Nov 27 th 1870					
9						Pleasant weather Baro. 30.20		
10			Monday Nov 28 th 1870					
11						Cloudy Wind S.E.		
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
1			Tuesday Nov 29 th 1870					
2						Cloudy & cloudy day Wind E.N.E. hauled		
3						Ship in to the Quay & taking in iron		
4			Wednesday Nov 30 th 1870					
5						Pleasant day Wind to the Eastward		
6			Thursday Dec 1 st 1870					
7						Pleasant weather & very cold wind easterly		
8			Friday Dec 2 nd 1870					
9						Fine weather Wind S.E. Taking in iron		
10			Saturday Dec 3 rd 1870					
11						Cloudy weather very cold Wind S.E. Taking in iron.		
12			Sunday Dec 4 th 1870					
1						Pleasant day wind S.E.		
2			Monday Dec 5 th 1870					
3						Wind to the Eastward cloudy day		
4			Tuesday Dec 6 th 1870					
5						Cloudy hauled in to the basin		
6						at 5.30 PM		
7			Wednesday			hauled in to the basin at 4 PM		
8						going out in the morning		
9			Thursday Dec 6 th 1870					
10						Please turn to a new bark		
11						went out of Dock at 7.5 AM. down Channel made		
12						sail at 10 AM Tug left Ship wind S.E. so ends this		
						day of 12. turn to commence Hauling		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	18
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.
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Ship India

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JOURNAL, from

C. J. Rogers

towards

in acct with Ship India

H.	K.	$\frac{1}{2}$ K.	COURSES.	WINDS.	LEEWAY.	Remarks,	day of	$\frac{18$
1						Cash Rec in Cardiff Oct-2-1871		\$ 10. 00. 00
2						" " " " Oct-19-1871		28. 15. 00
3								
4								
5						Cash Rec in Hong Kong Apr 1872		25
6								25
7								10
8								5
9						Chart		4
10						" " "		\$ 69 Dollars
11								
12						Cash Rec in San Francisco		\$ 10
1								10
2								20
3								20
4						" " "		40
5						" " "		10
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. In.	Lon. by Ob.

only 27
Hob 11
July 17



dp

Wm. B. B.